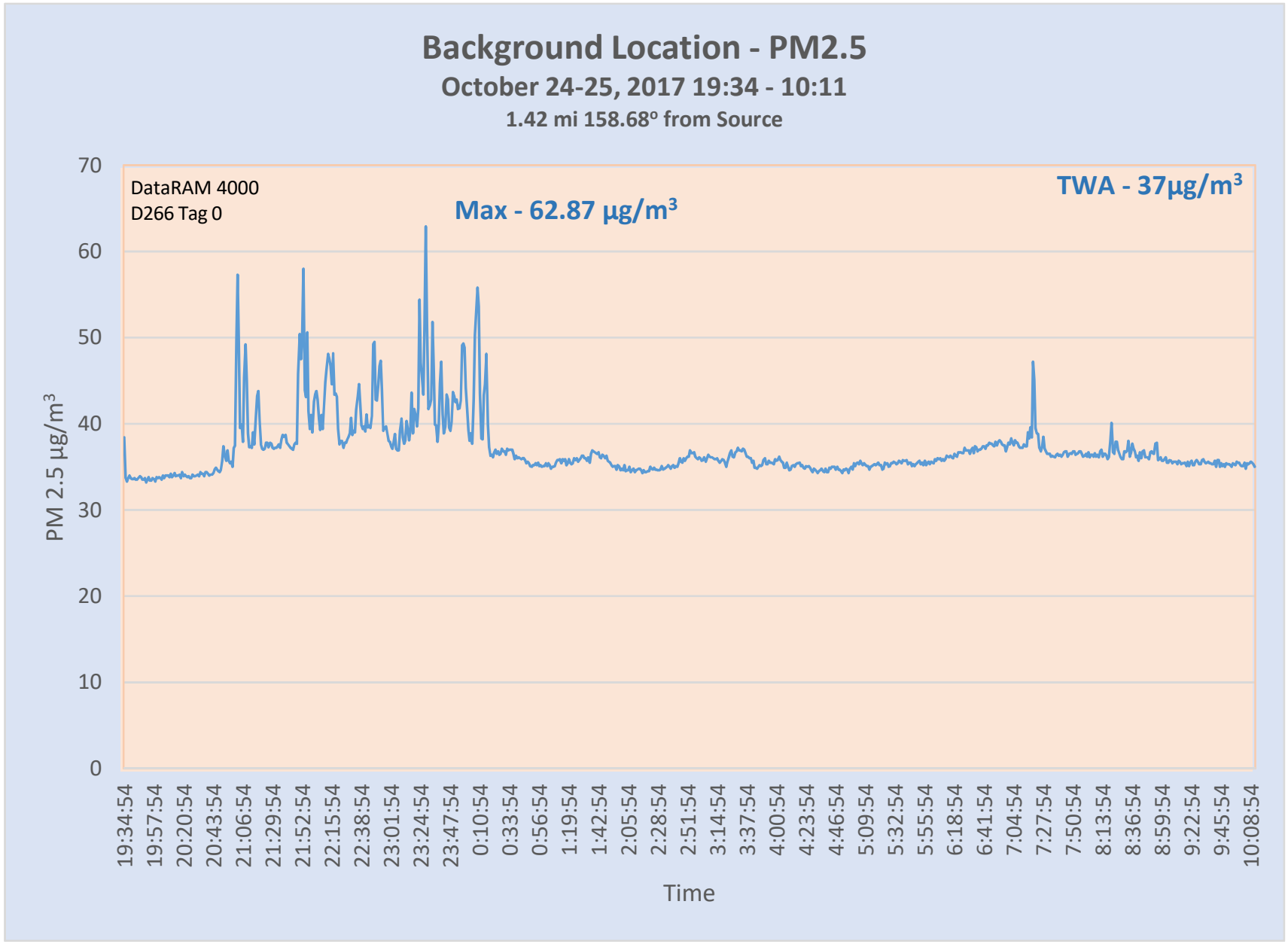
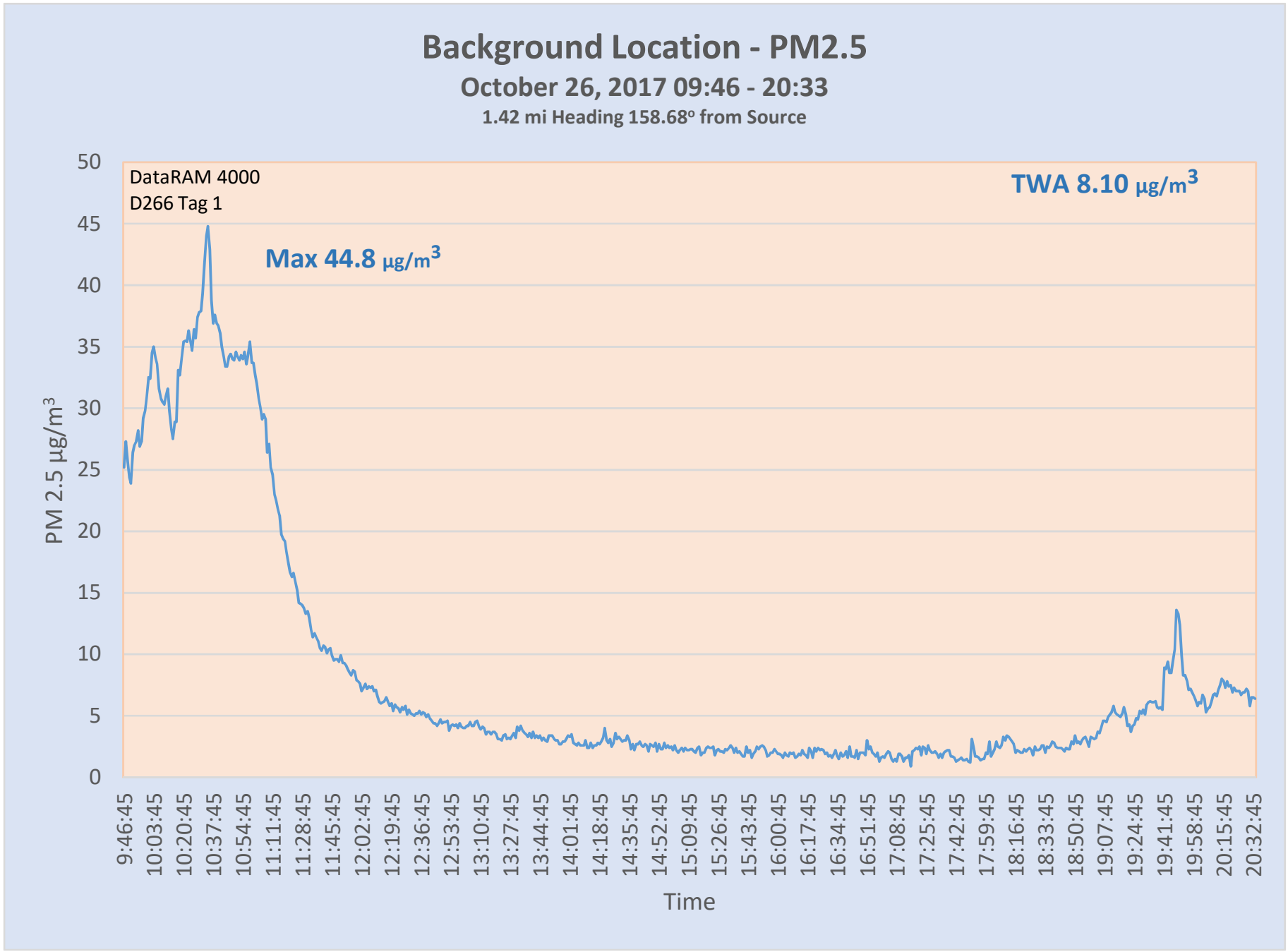
DataRAM 4000 Graphed Results

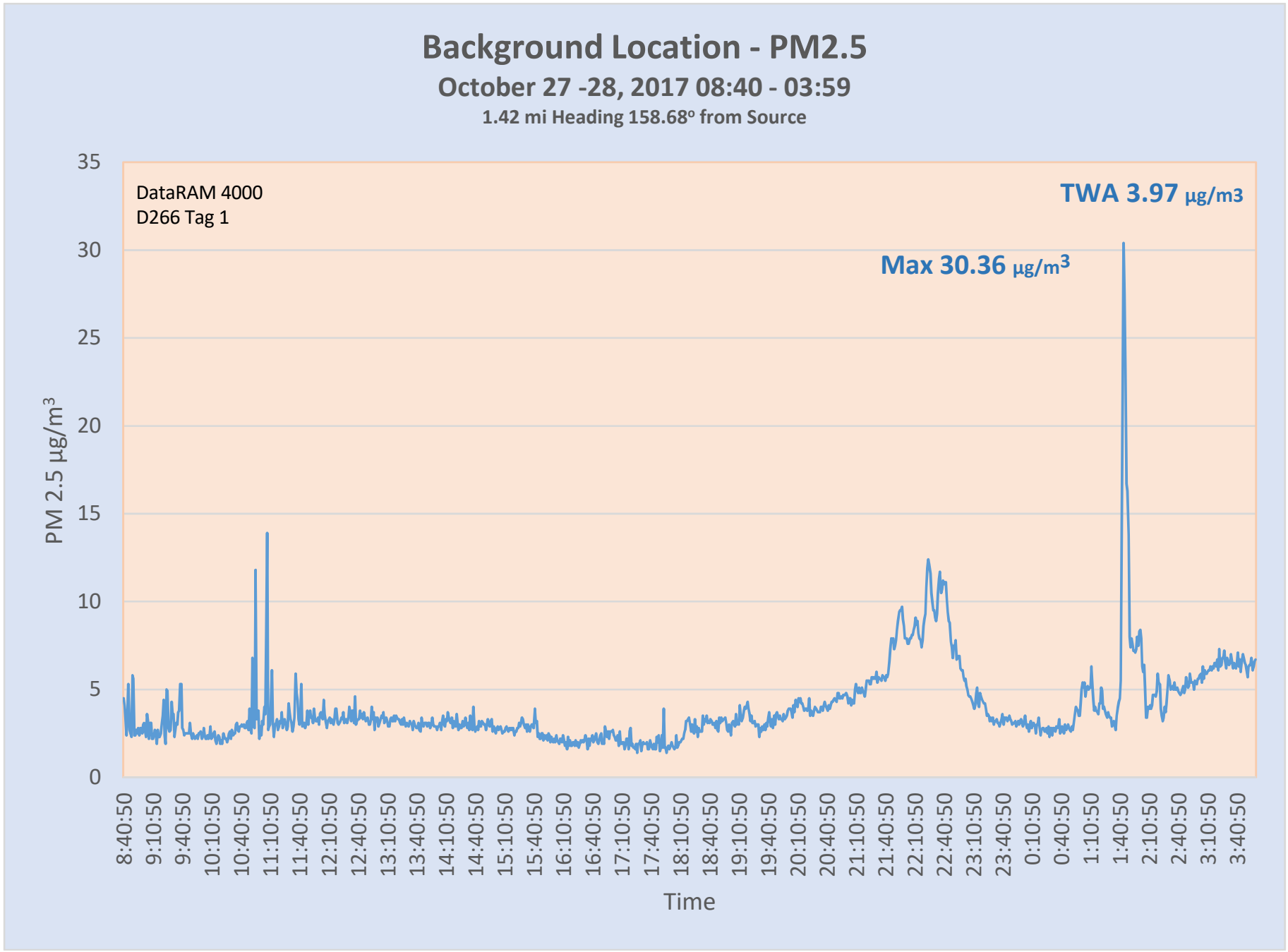
Air monitoring was conducted using DataRAM Particulate Monitors. Instantaneous (or real time) readings from the DataRAMs are presented as a blue line on the graphs. The numbers on the left axis of the graph show the concentration of particulate matter in the air at a given time (shown on the bottom axis of the graph). The air monitors were placed in a stationary location during the time period shown on the bottom of the graph. You will see “peaks” on the graph which represent times at which the smoke was blown in the direction of our monitor. The intensity of these peaks varies depending on the concentration of particulate matter in the air. The Time-Weighted Average (TWA) is presented on the top corner of the graphs. This line is an average of all the instantaneous readings over the monitoring period indicated at the bottom of the graph.

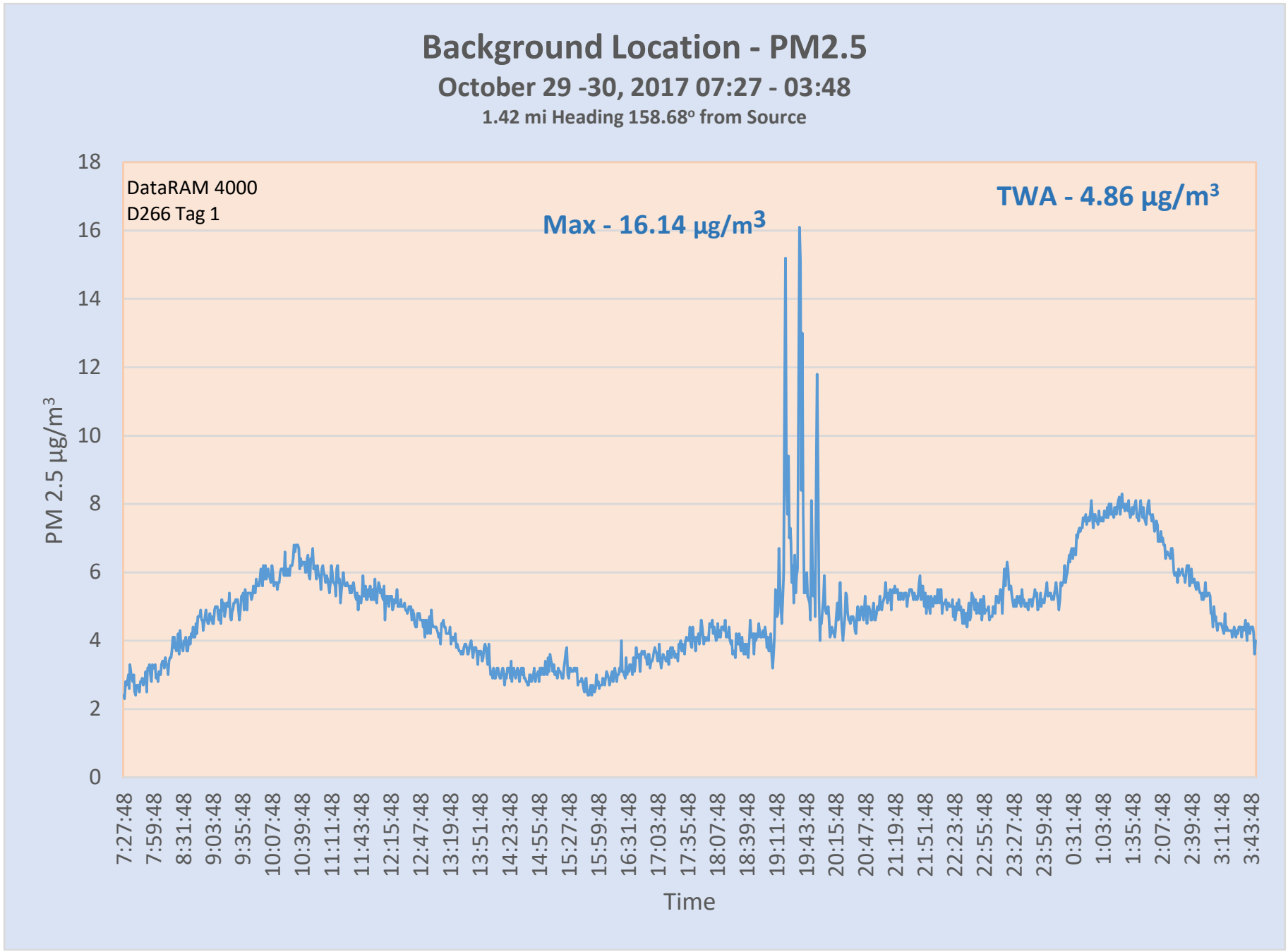
Background Location Graphs

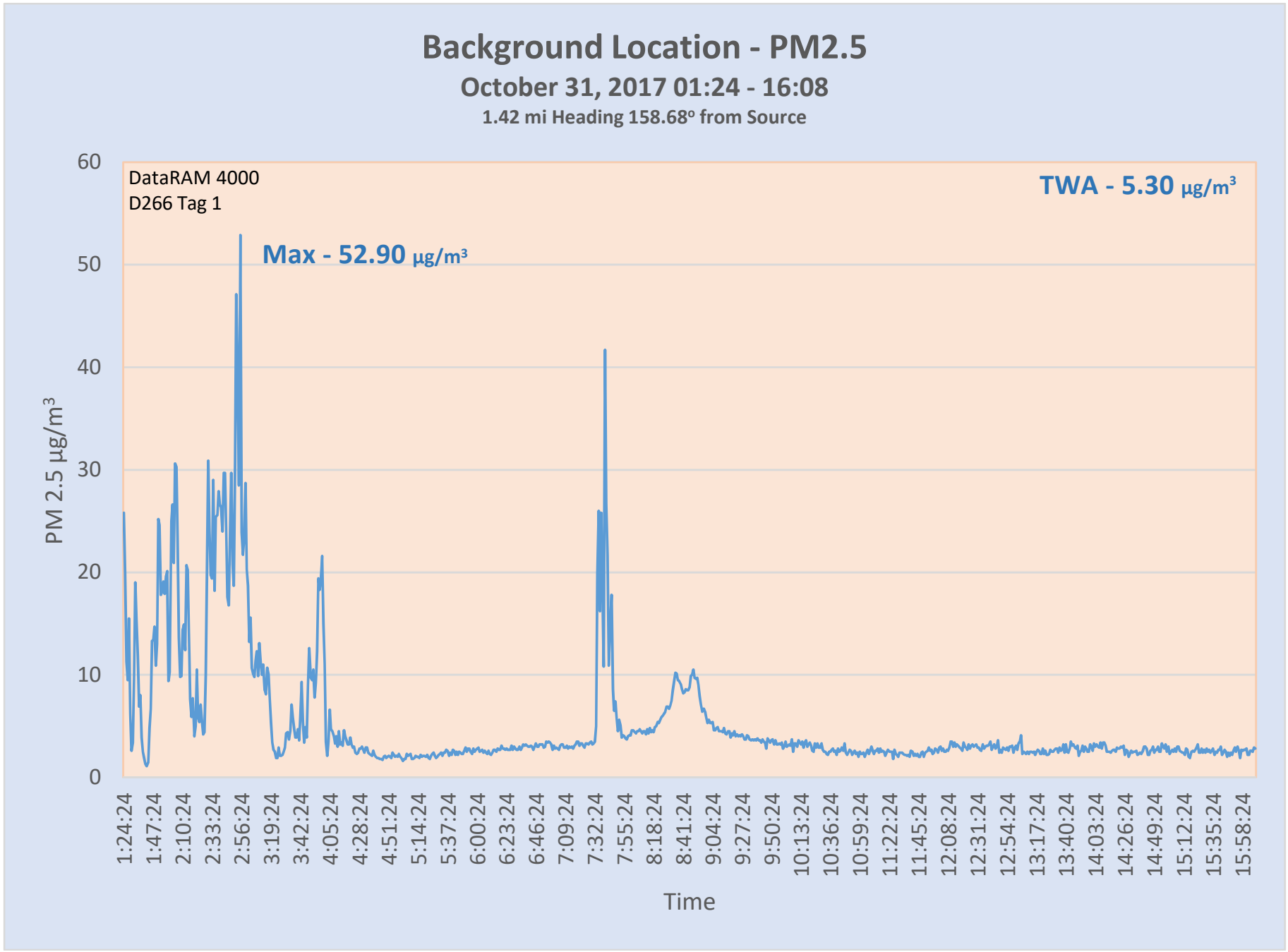
These graphs are data compiled from monitors placed upwind of the site.

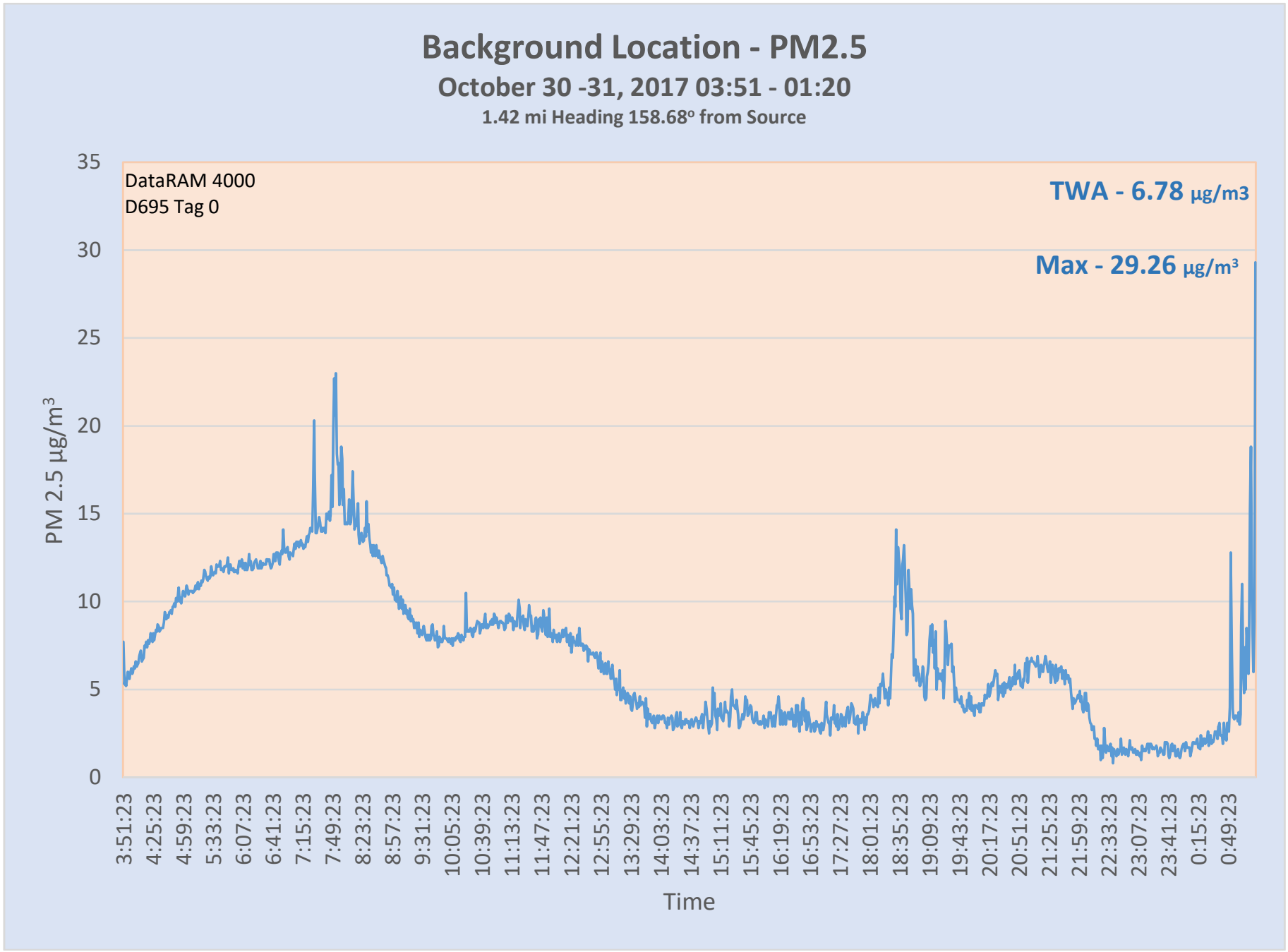

Background Location - PM2.5
October 24-25, 2017 19:34 - 10:11
1.42 mi 158.68° from Source
DataRAM 4000
D266 Tag 0
Max - 62.87 µg/m³
TWA - 37µg/m³
PM 2.5 µg/m³
70
60
50
40
30
20
10
0
19:34:54
19:57:54
20:20:54
20:43:54
21:06:54
21:29:54
21:52:54
22:15:54
22:38:54
23:01:54
23:24:54
23:47:54
0:10:54
0:33:54
0:56:54
1:19:54
1:42:54
2:05:54
2:28:54
2:51:54
3:14:54
3:37:54
4:00:54
4:23:54
4:46:54
5:09:54
5:32:54
5:55:54
6:18:54
6:41:54
7:04:54
7:27:54
7:50:54
8:13:54
8:36:54
8:59:54
9:22:54
9:45:54
10:08:54
Time


Background Location - PM2.5
October 26, 2017 09:46 - 20:33
1.42 mi Heading 158.68° from Source
DataRAM 4000
D266 Tag 1
TWA 8.10 µg/m3
Max 44.8 µg/m3
PM 2.5 µg/m3
50
45
40
35
30
25
20
15
10
5
0
9:46:45
10:03:45
10:20:45
10:37:45
10:54:45
11:11:45
11:28:45
11:45:45
12:02:45
12:19:45
12:36:45
12:53:45
13:10:45
13:27:45
13:44:45
14:01:45
14:18:45
14:35:45
14:52:45
15:09:45
15:26:45
15:43:45
16:00:45
16:17:45
16:34:45
16:51:45
17:08:45
17:25:45
17:42:45
17:59:45
18:16:45
18:33:45
18:50:45
19:07:45
19:24:45
19:41:45
19:58:45
20:15:45
20:32:45
Time


Background Location - PM2.5
October 27 -28, 2017 08:40 - 03:59
1.42 mi Heading 158.68° from Source
DataRAM 4000
D266 Tag 1
TWA 3.97 µg/m3
Max 30.36 µg/m3
PM 2.5 µg/m3
35
30
25
20
15
10
5
0
8:40:50
9:10:50
9:40:50
10:10:50
10:40:50
11:10:50
11:40:50
12:10:50
12:40:50
13:10:50
13:40:50
14:10:50
14:40:50
15:10:50
15:40:50
16:10:50
16:40:50
17:10:50
17:40:50
18:10:50
18:40:50
19:10:50
19:40:50
20:10:50
20:40:50
21:10:50
21:40:50
22:10:50
22:40:50
23:10:50
23:40:50
0:10:50
0:40:50
1:10:50
1:40:50
2:10:50
2:40:50
3:10:50
3:40:50
Time

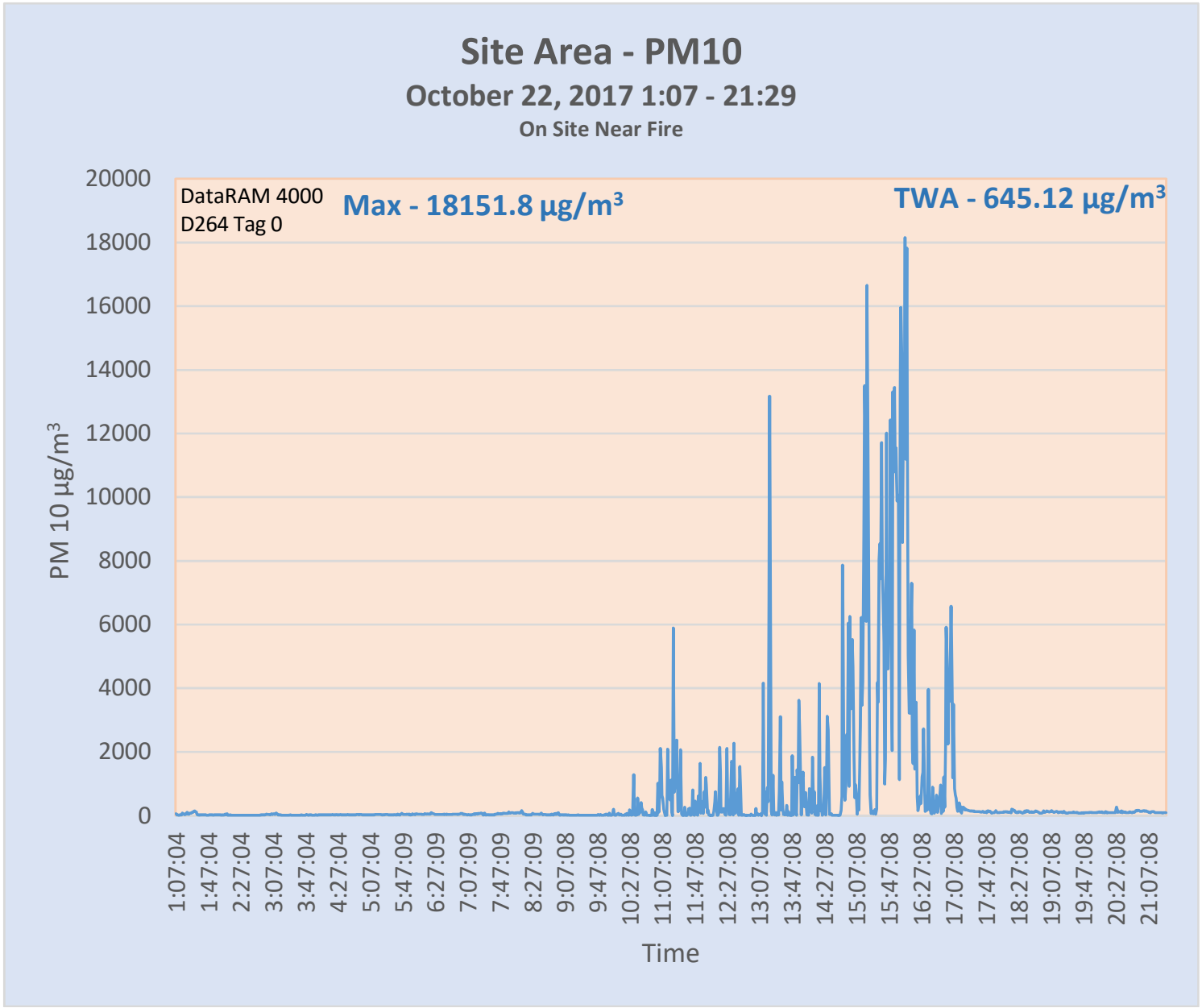

Background Location - PM2.5
October 29 -30, 2017 07:27 - 03:48
1.42 mi Heading 158.68° from Source
DataRAM 4000
D266 Tag 1
Max - 16.14 µg/m3
TWA - 4.86 µg/m3
PM 2.5 µg/m3
0
2
4
6
8
10
12
14
16
18
7:27:48
7:59:48
8:31:48
9:03:48
9:35:48
10:07:48
10:39:48
11:11:48
11:43:48
12:15:48
12:47:48
13:19:48
13:51:48
14:23:48
14:55:48
15:27:48
15:59:48
16:31:48
17:03:48
17:35:48
18:07:48
18:39:48
19:11:48
19:43:48
20:15:48
20:47:48
21:19:48
21:51:48
22:23:48
22:55:48
23:27:48
23:59:48
0:31:48
1:03:48
1:35:48
2:07:48
2:39:48
3:11:48
3:43:48
Time


Background Location - PM2.5
October 31, 2017 01:24 - 16:08
1.42 mi Heading 158.68° from Source
DataRAM 4000
D266 Tag 1
TWA - 5.30 µg/m³
Max - 52.90 µg/m³
PM 2.5 µg/m³
60
50
40
30
20
10
0
1:24:24
1:47:24
2:10:24
2:33:24
2:56:24
3:19:24
3:42:24
4:05:24
4:28:24
4:51:24
5:14:24
5:37:24
6:00:24
6:23:24
6:46:24
7:09:24
7:32:24
7:55:24
8:18:24
8:41:24
9:04:24
9:27:24
9:50:24
10:13:24
10:36:24
10:59:24
11:22:24
11:45:24
12:08:24
12:31:24
12:54:24
13:17:24
13:40:24
14:03:24
14:26:24
14:49:24
15:12:24
15:35:24
15:58:24
Time


Background Location - PM2.5
October 30 -31, 2017 03:51 - 01:20
1.42 mi Heading 158.68° from Source
DataRAM 4000
D695 Tag 0
TWA - 6.78 µg/m3
Max - 29.26 µg/m³
PM 2.5 µg/m³
35
30
25
20
15
10
5
0
3:51:23
4:25:23
4:59:23
5:33:23
6:07:23
6:41:23
7:15:23
7:49:23
8:23:23
8:57:23
9:31:23
10:05:23
10:39:23
11:13:23
11:47:23
12:21:23
12:55:23
13:29:23
14:03:23
14:37:23
15:11:23
15:45:23
16:19:23
16:53:23
17:27:23
18:01:23
18:35:23
19:09:23
19:43:23
20:17:23
20:51:23
21:25:23
21:59:23
22:33:23
23:07:23
23:41:23
0:15:23
0:49:23
Time

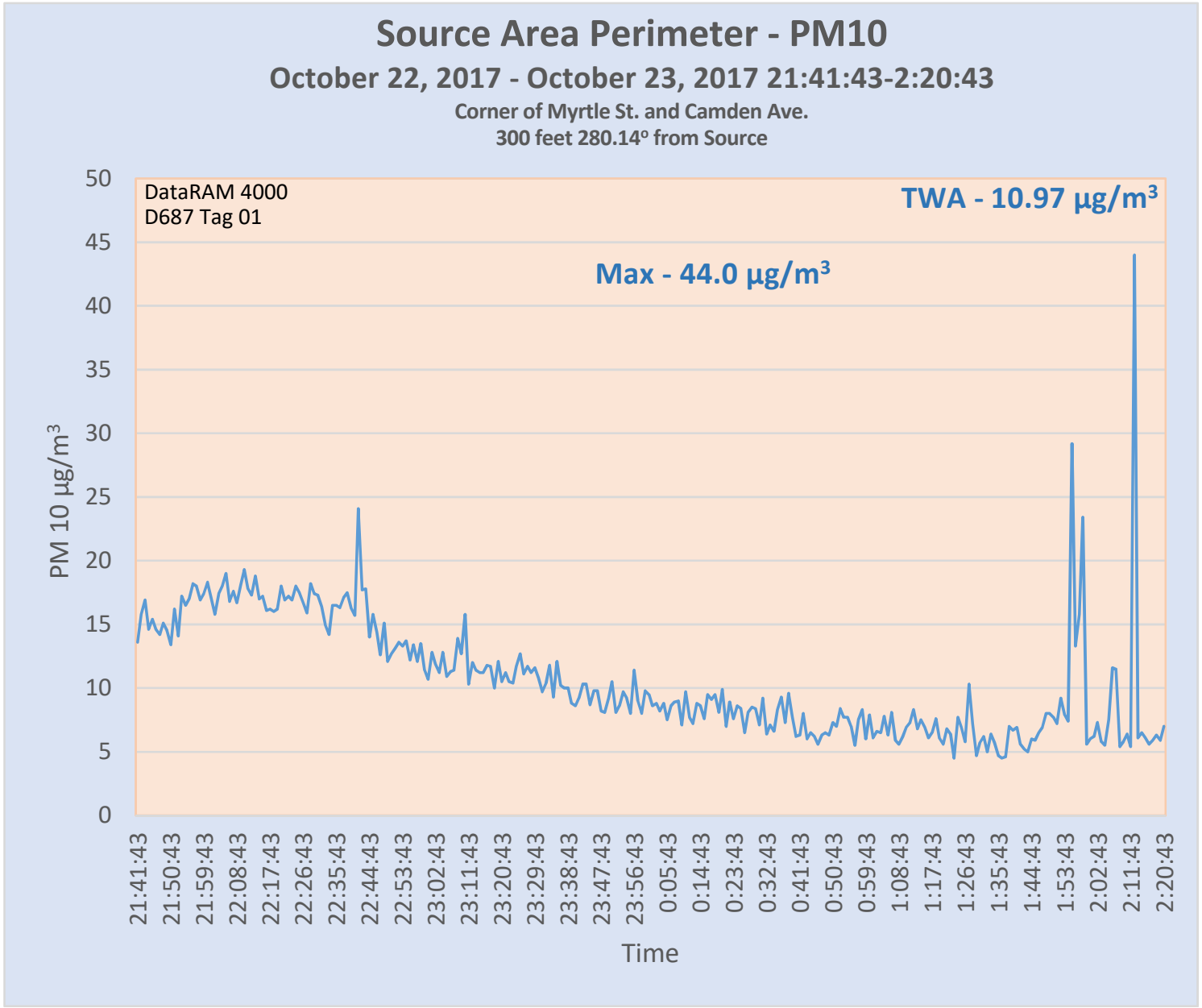
Site Area

These graphs are data compiled from monitors placed near the site.

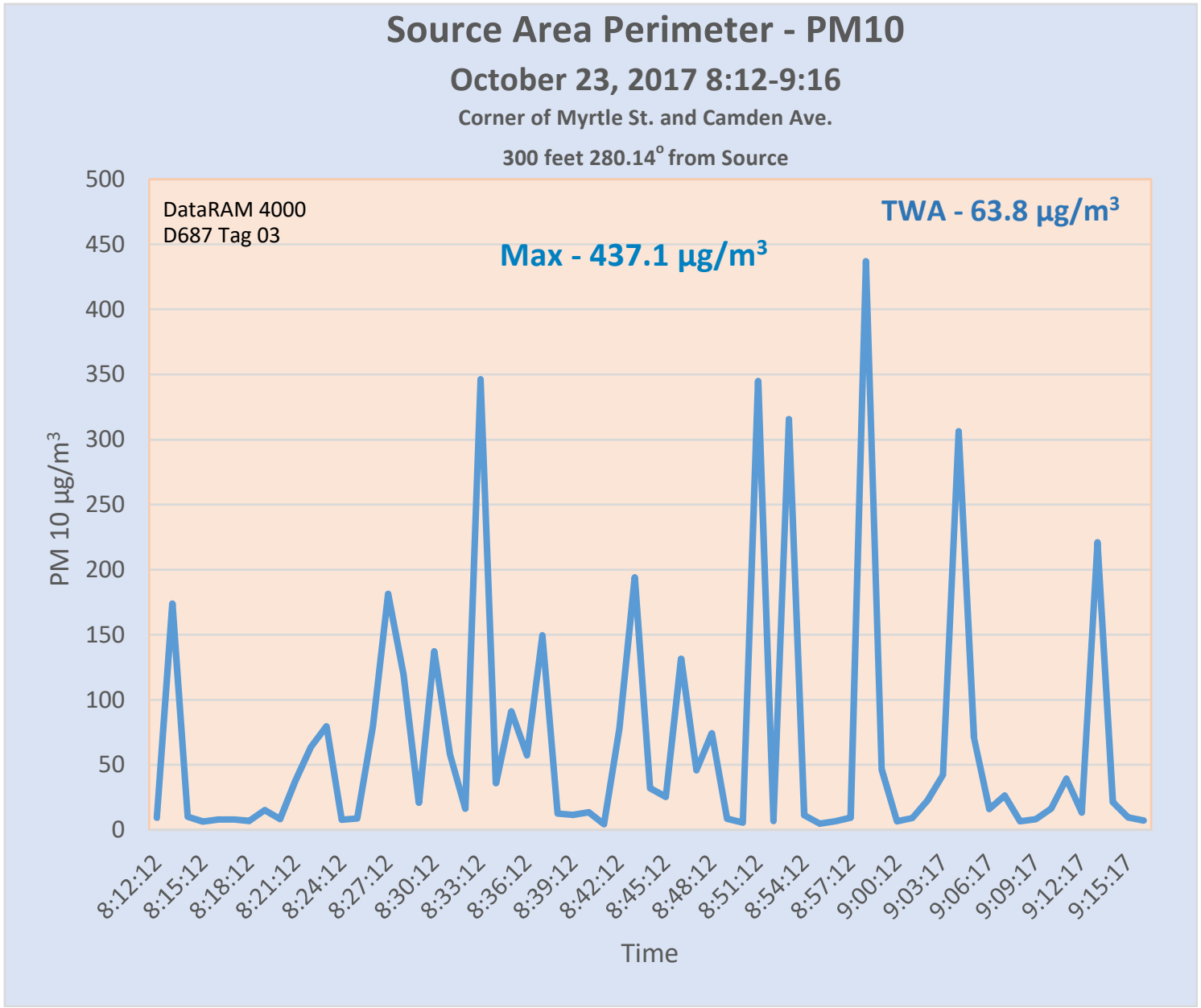

Site Area - PM10
October 22, 2017 1:07 - 21:29
On Site Near Fire
DataRAM 4000
D264 Tag 0
Max - 18151.8 µg/m³
TWA - 645.12 µg/m³
PM 10 µg/m³
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
1:07:04
1:47:04
2:27:04
3:07:04
3:47:04
4:27:04
5:07:04
5:47:09
6:27:09
7:07:09
7:47:09
8:27:09
9:07:08
9:47:08
10:27:08
11:07:08
11:47:08
12:27:08
13:07:08
13:47:08
14:27:08
15:07:08
15:47:08
16:27:08
17:07:08
17:47:08
18:27:08
19:07:08
19:47:08
20:27:08
21:07:08
Time

Source Area Perimeter

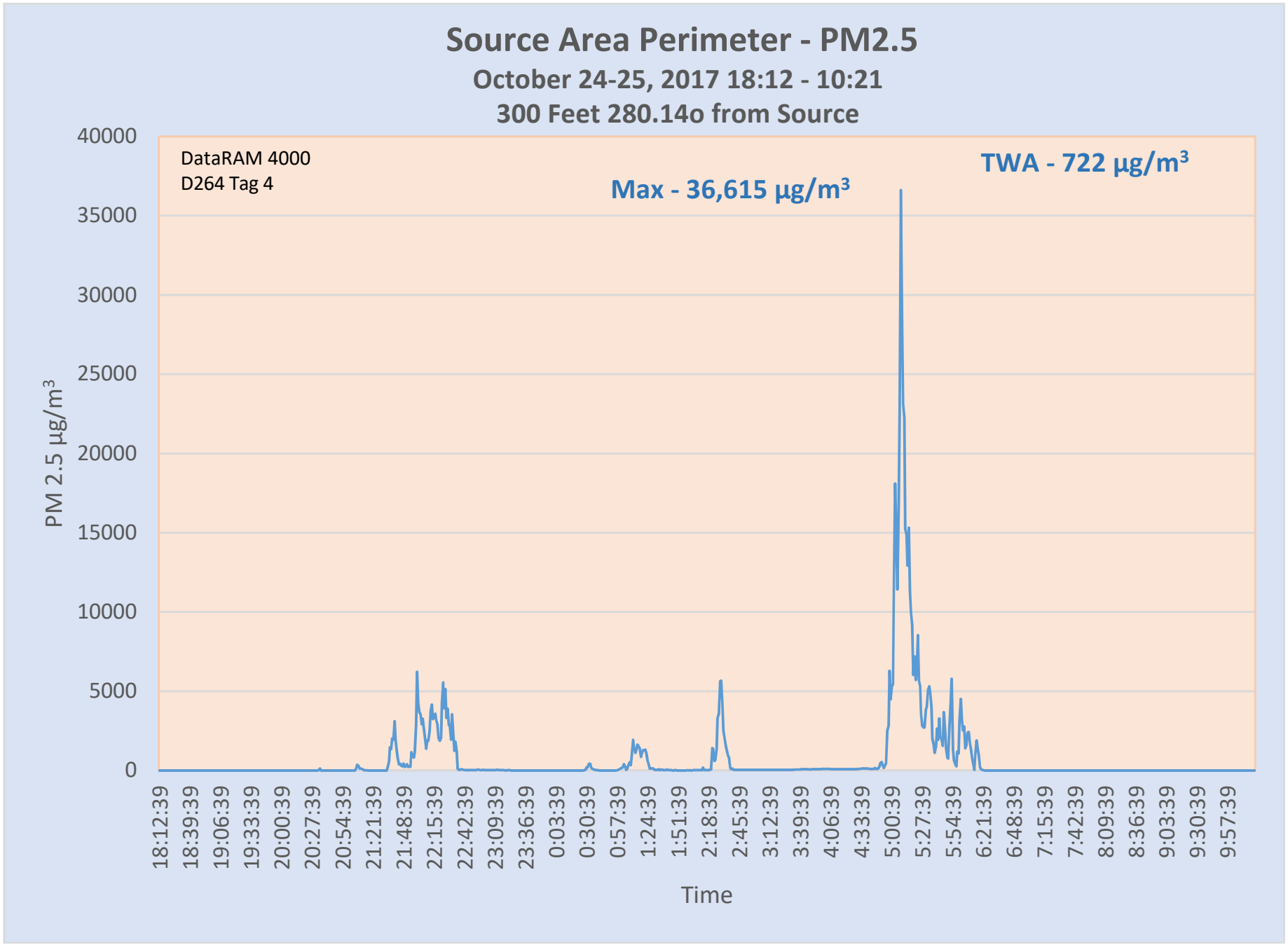
These graphs are data compiled from monitors placed downwind at the perimeter of the source of the fire.

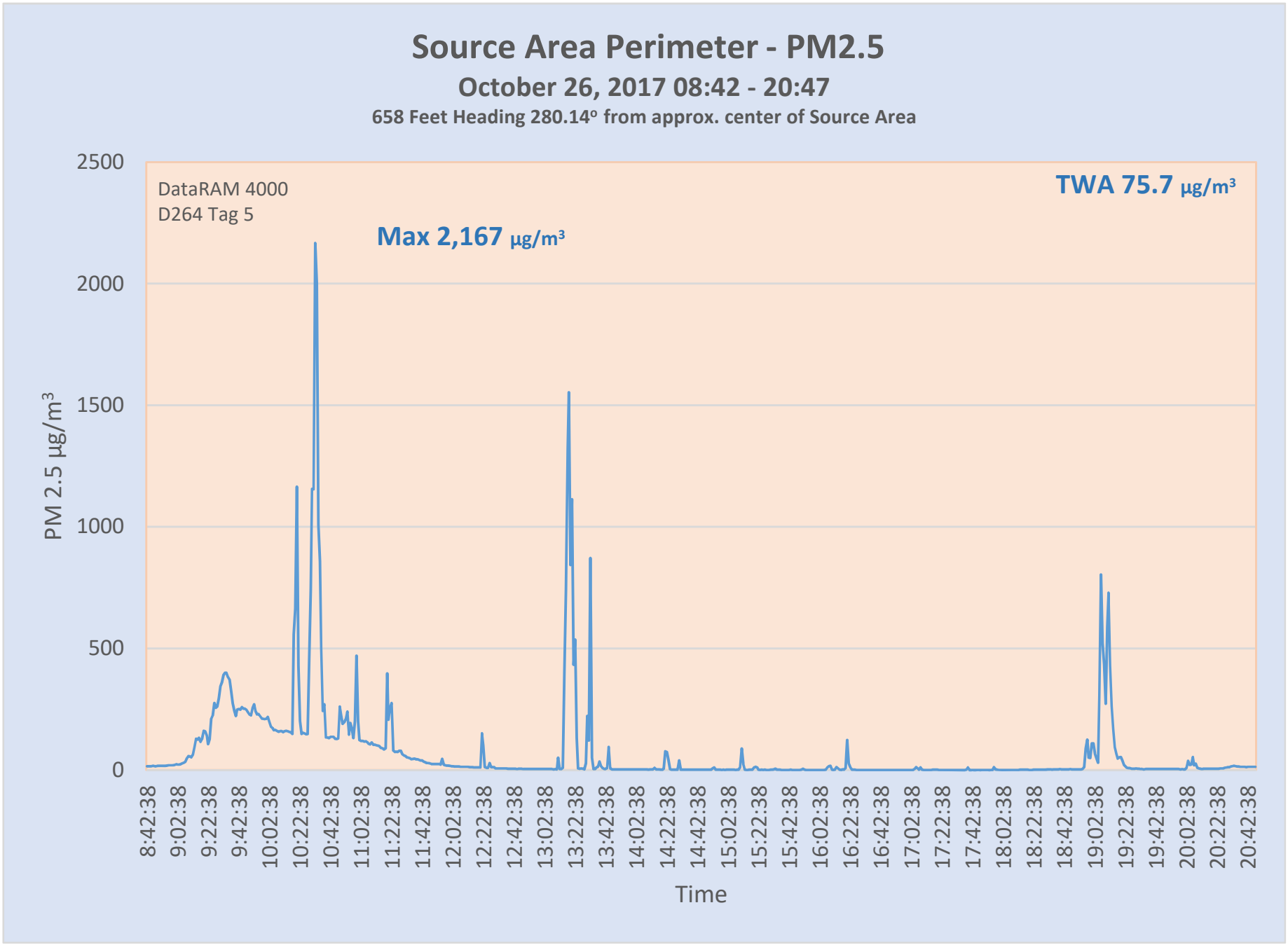


Max - 225.97 µg/m³


Source Area Perimeter - PM10
October 23, 2017 8:12-9:16
Corner of Myrtle St. and Camden Ave.
300 feet 280.14° from Source
DataRAM 4000
D687 Tag 03
TWA - 63.8 µg/m³
Max - 437.1 µg/m³
PM 10 µg/m³
500
450
400
350
300
250
200
150
100
50
0
8:12:12
8:15:12
8:18:12
8:21:12
8:24:12
8:27:12
8:30:12
8:33:12
8:36:12
8:39:12
8:42:12
8:45:12
8:48:12
8:51:12
8:54:12
8:57:12
9:00:12
9:03:17
9:06:17
9:09:17
9:12:17
9:15:17
Time

Max - 623 µg/m³

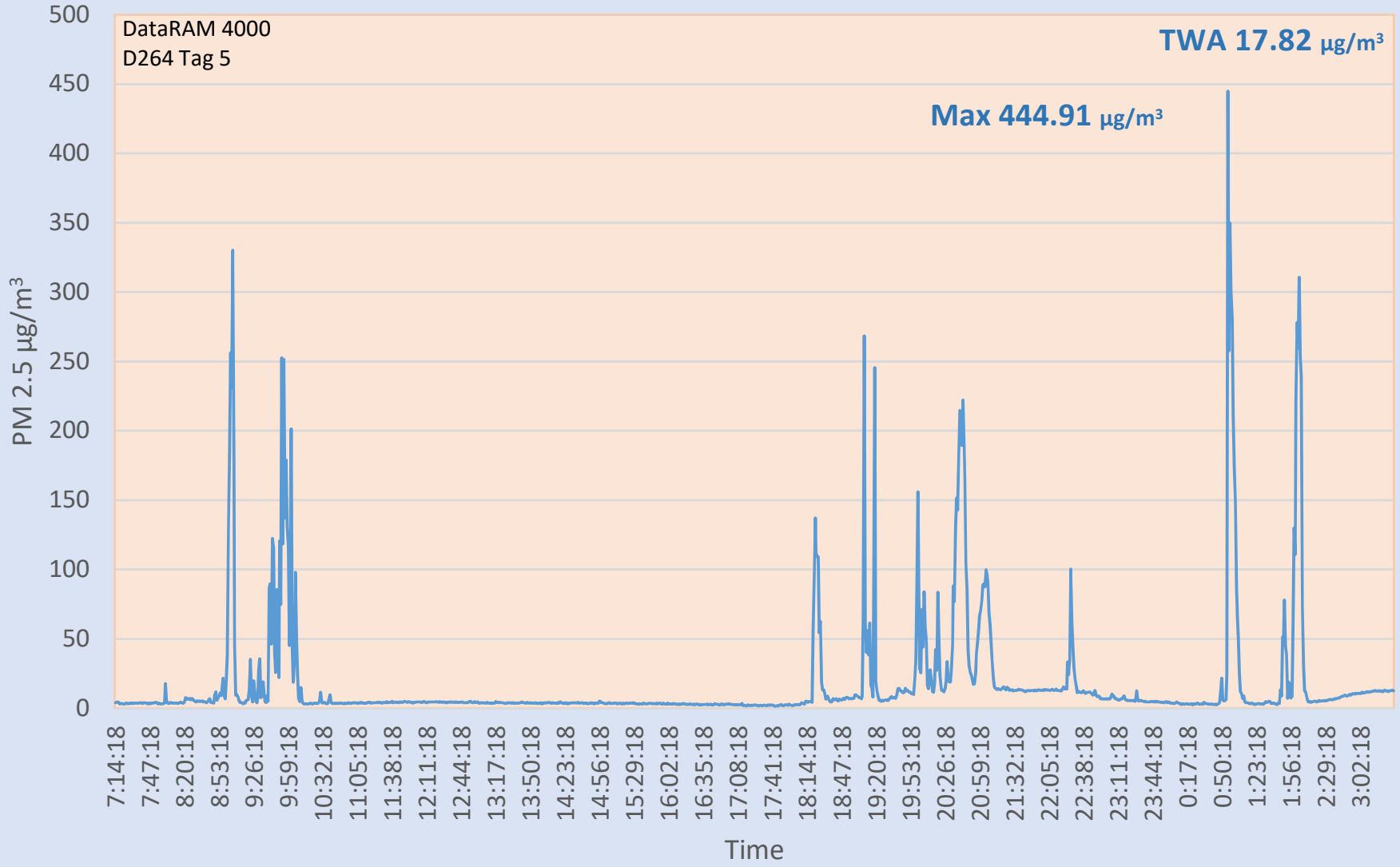

Source Area Perimeter - PM2.5
October 24-25, 2017 18:12 - 10:21
300 Feet 280.14o from Source
DataRAM 4000
D264 Tag 4
Max - 36,615 µg/m³
TWA - 722 µg/m³
PM 2.5 µg/m³
40000
35000
30000
25000
20000
15000
10000
5000
0
18:12:39
18:39:39
19:06:39
19:33:39
20:00:39
20:27:39
20:54:39
21:21:39
21:48:39
22:15:39
22:42:39
23:09:39
23:36:39
0:03:39
0:30:39
0:57:39
1:24:39
1:51:39
2:18:39
2:45:39
3:12:39
3:39:39
4:06:39
4:33:39
5:00:39
5:27:39
5:54:39
6:21:39
6:48:39
7:15:39
7:42:39
8:09:39
8:36:39
9:03:39
9:30:39
9:57:39
Time


Source Area Perimeter - PM2.5
October 26, 2017 08:42 - 20:47
658 Feet Heading 280.14° from approx. center of Source Area
DataRAM 4000
D264 Tag 5
Max 2,167 µg/m³
TWA 75.7 µg/m³
PM 2.5 µg/m³
2500
2000
1500
1000
500
0
8:42:38
9:02:38
9:22:38
9:42:38
10:02:38
10:22:38
10:42:38
11:02:38
11:22:38
11:42:38
12:02:38
12:22:38
12:42:38
13:02:38
13:22:38
13:42:38
14:02:38
14:22:38
14:42:38
15:02:38
15:22:38
15:42:38
16:02:38
16:22:38
16:42:38
17:02:38
17:22:38
17:42:38
18:02:38
18:22:38
18:42:38
19:02:38
19:22:38
19:42:38
20:02:38
20:22:38
20:42:38
Time

Source Area Perimeter- PM2.5

October 27-28, 2017 07:14 - 03:34

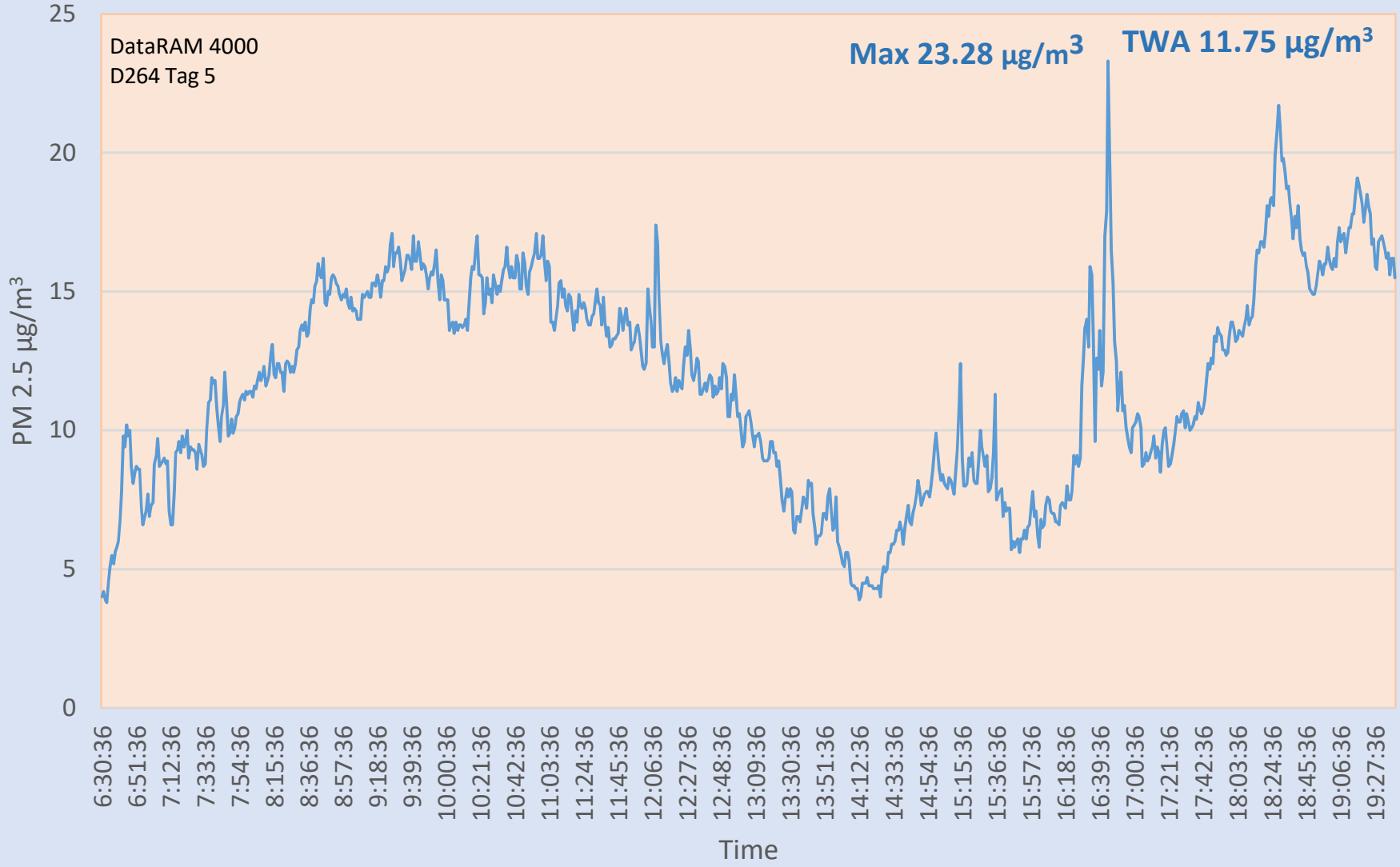
658 Feet Heading 280.14° from approx. center of Source Area



Source Area Perimeter - PM2.5

October 29, 2017 06:30 - 19:39

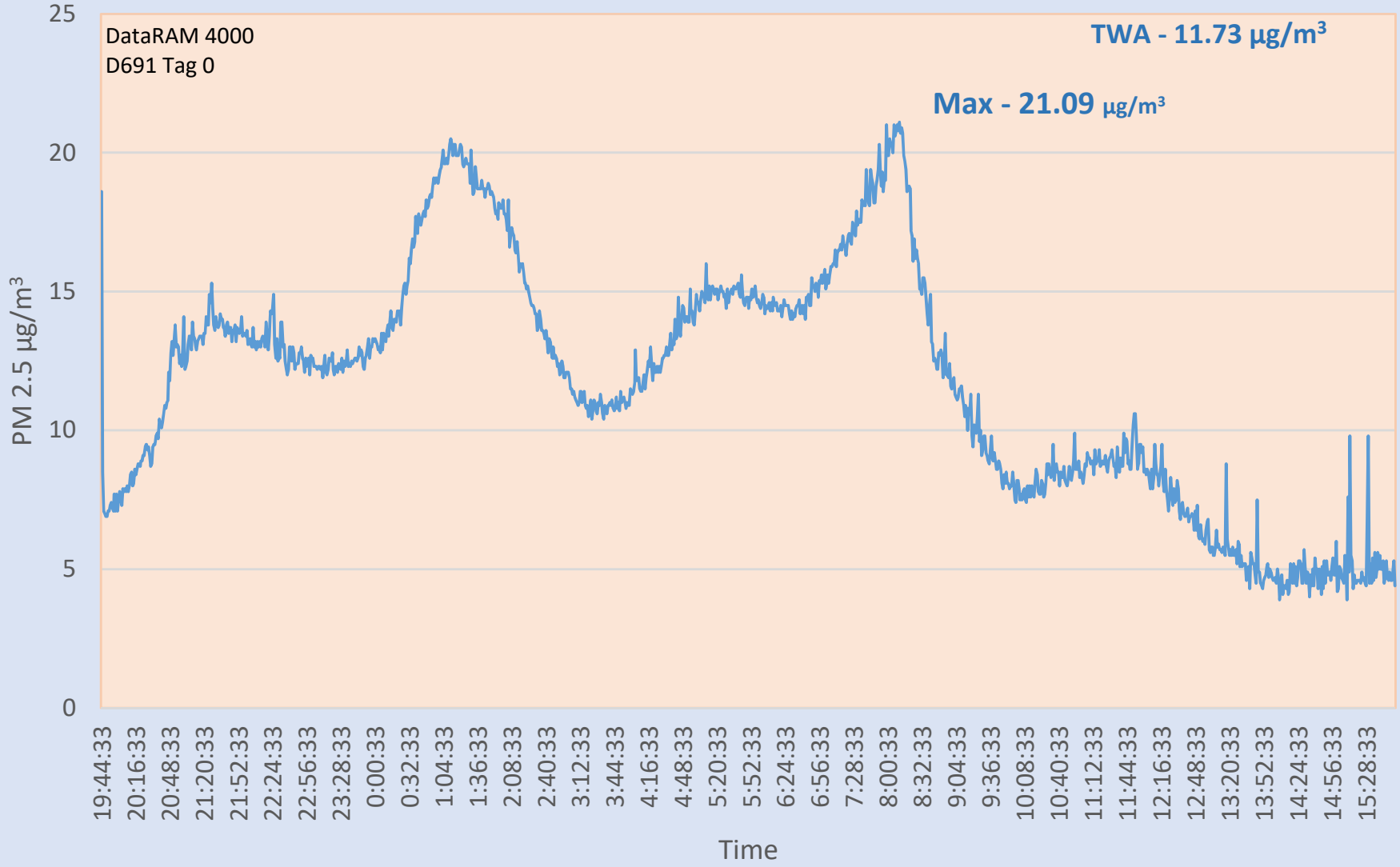
658 Feet Heading 280.14$_o$ from approx. center of Source Area



Source Area Perimeter - PM2.5

October 29-30, 2017 19:44 - 15:55

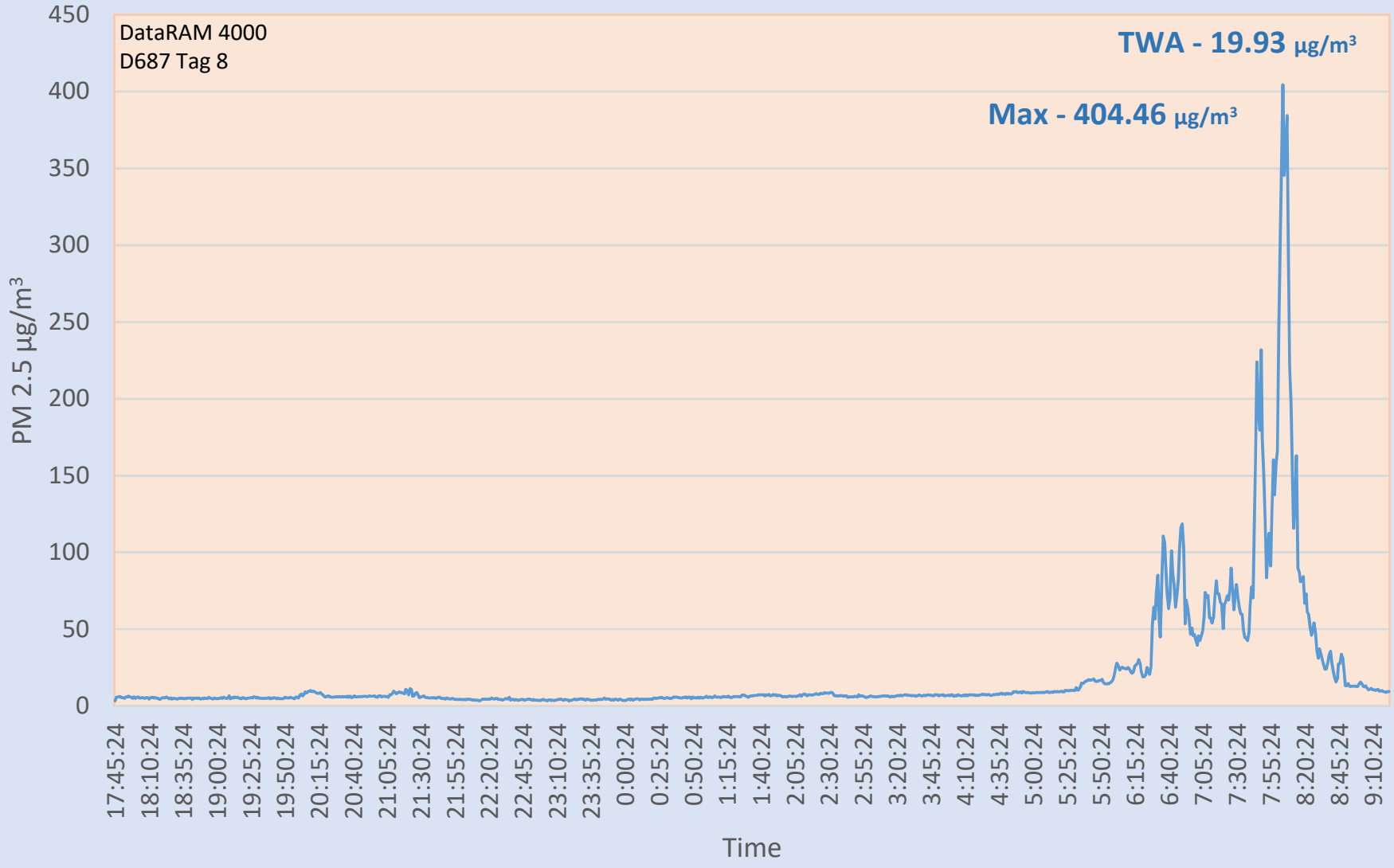
658 Feet Heading 280.14° from approx. center of Source Area



Source Area Perimeter - PM2.5

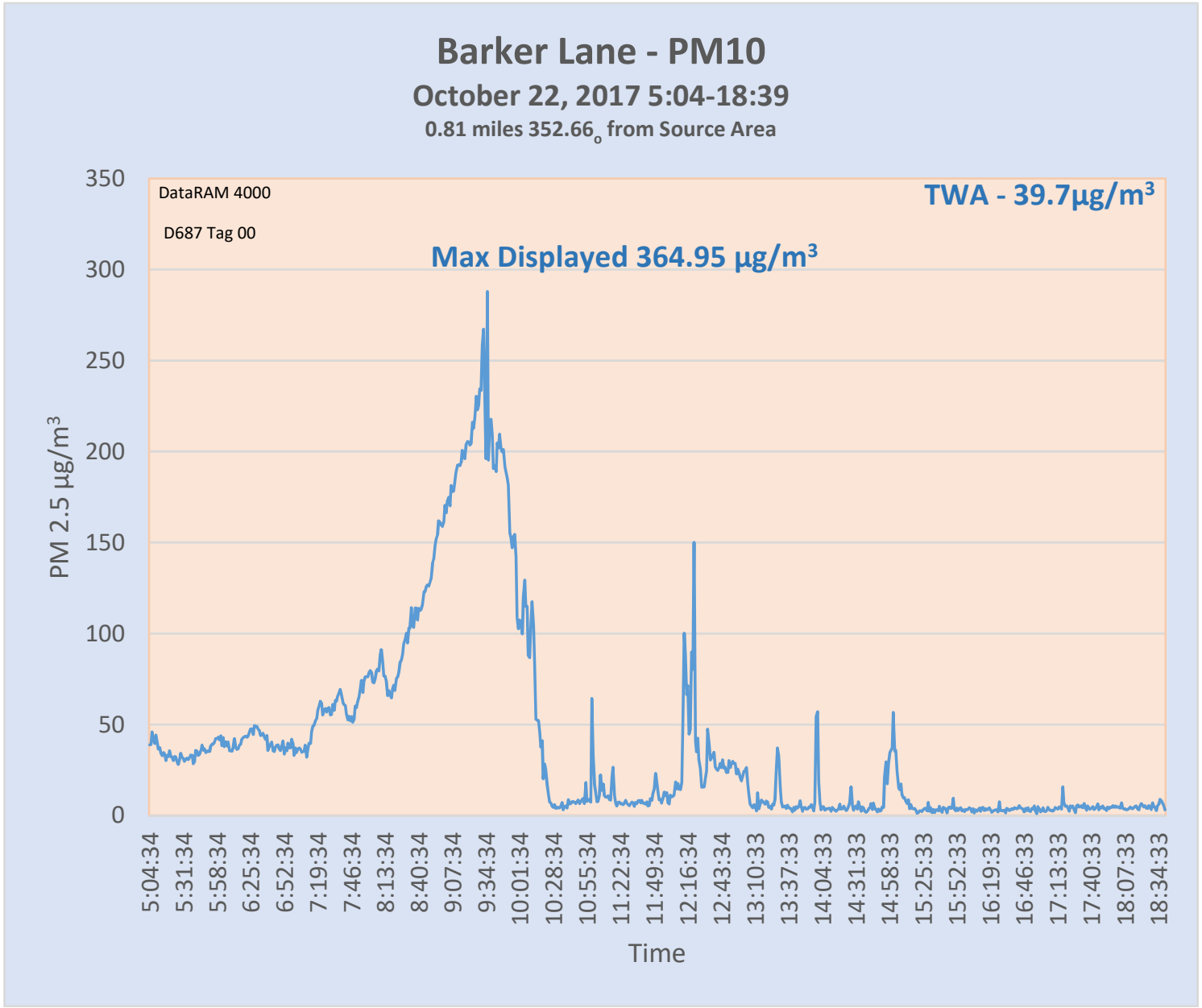
October 30-31, 2017 17:45 - 9:22

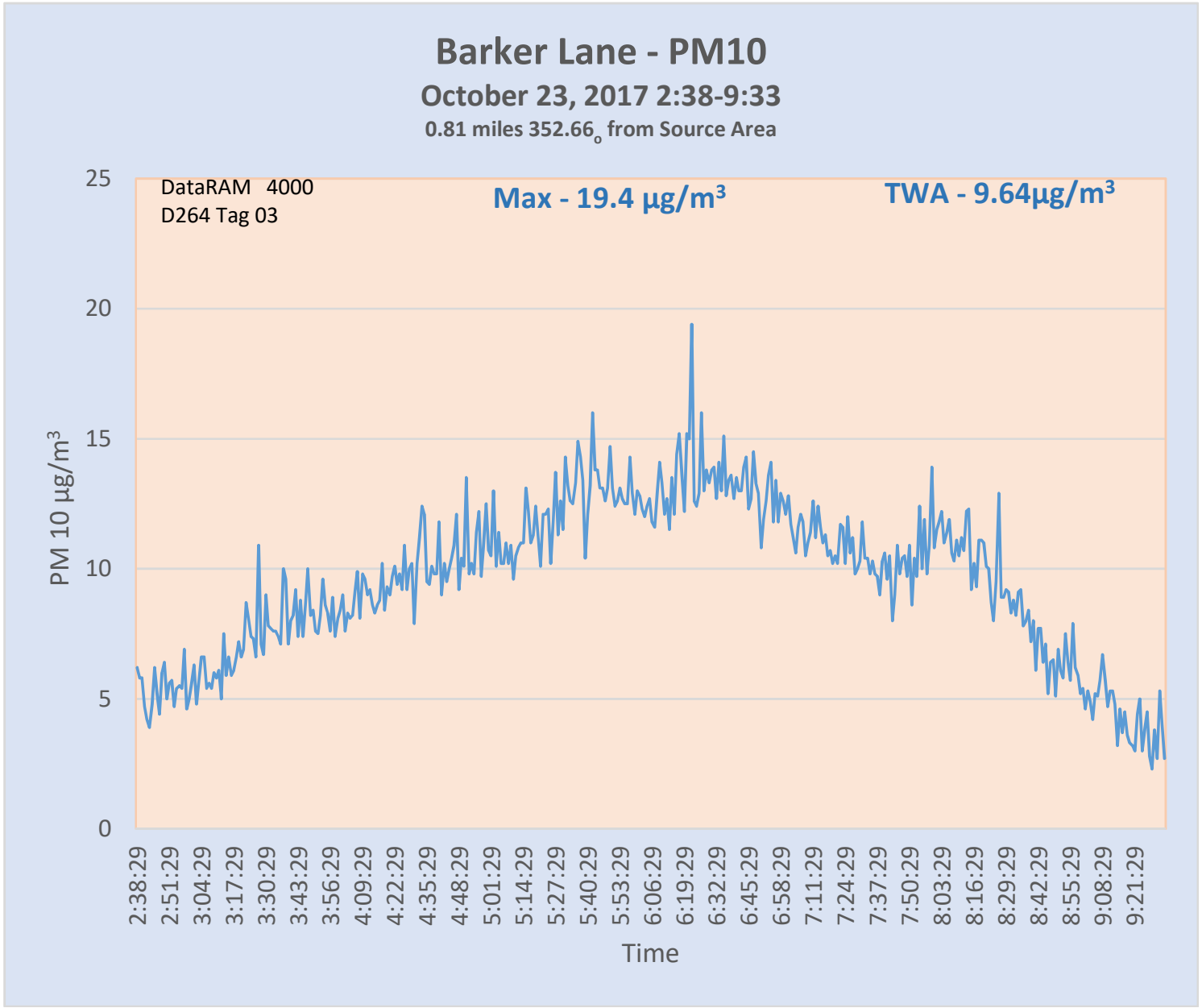
658 Feet Heading 280.14$_o$ from approx. center of Source Area



Barker Lane

These graphs are data compiled from monitors placed on Barker Lane.


Barker Lane - PM10
October 22, 2017 5:04-18:39
0.81 miles 352.66o from Source Area
DataRAM 4000
D687 Tag 00
TWA - 39.7µg/m3
Max Displayed 364.95 µg/m3
PM 2.5 µg/m3
350
300
250
200
150
100
50
0
5:04:34
5:31:34
5:58:34
6:25:34
6:52:34
7:19:34
7:46:34
8:13:34
8:40:34
9:07:34
9:34:34
10:01:34
10:28:34
10:55:34
11:22:34
11:49:34
12:16:34
12:43:34
13:10:33
13:37:33
14:04:33
14:31:33
14:58:33
15:25:33
15:52:33
16:19:33
16:46:33
17:13:33
17:40:33
18:07:33
18:34:33
Time


Barker Lane - PM10
October 23, 2017 2:38-9:33
0.81 miles 352.66o from Source Area
DataRAM 4000
D264 Tag 03
Max - 19.4 µg/m3
TWA - 9.64µg/m3
PM 10 µg/m3
25
20
15
10
5
0
2:38:29
2:51:29
3:04:29
3:17:29
3:30:29
3:43:29
3:56:29
4:09:29
4:22:29
4:35:29
4:48:29
5:01:29
5:14:29
5:27:29
5:40:29
5:53:29
6:06:29
6:19:29
6:32:29
6:45:29
6:58:29
7:11:29
7:24:29
7:37:29
7:50:29
8:03:29
8:16:29
8:29:29
8:42:29
8:55:29
9:08:29
9:21:29
Time

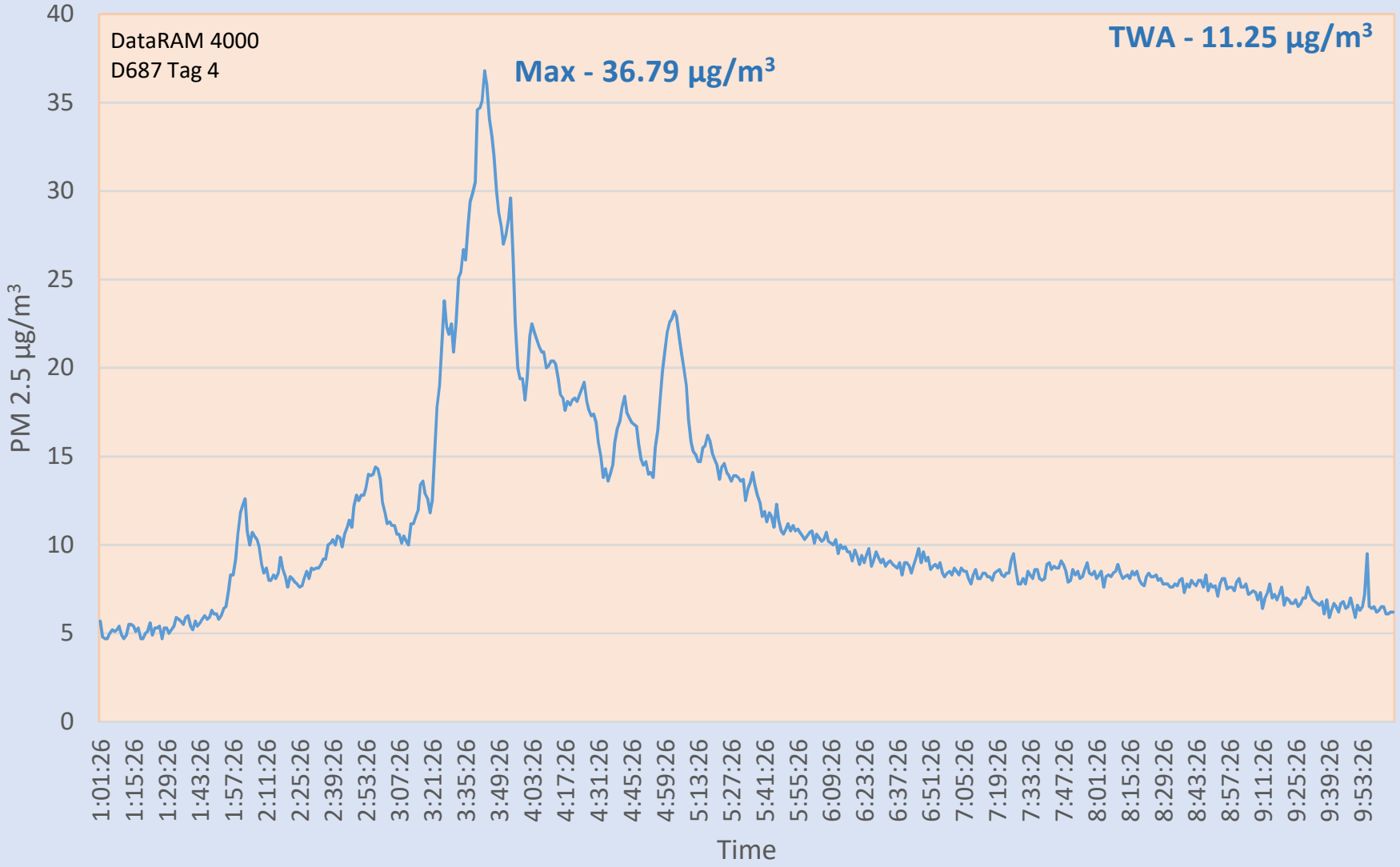
Mine Outfall Fence

These graphs are data compiled from monitors placed near the mine outfall fence.

Mine Outfall Fence - PM2.5

October 25, 2017 1:01 - 10:06

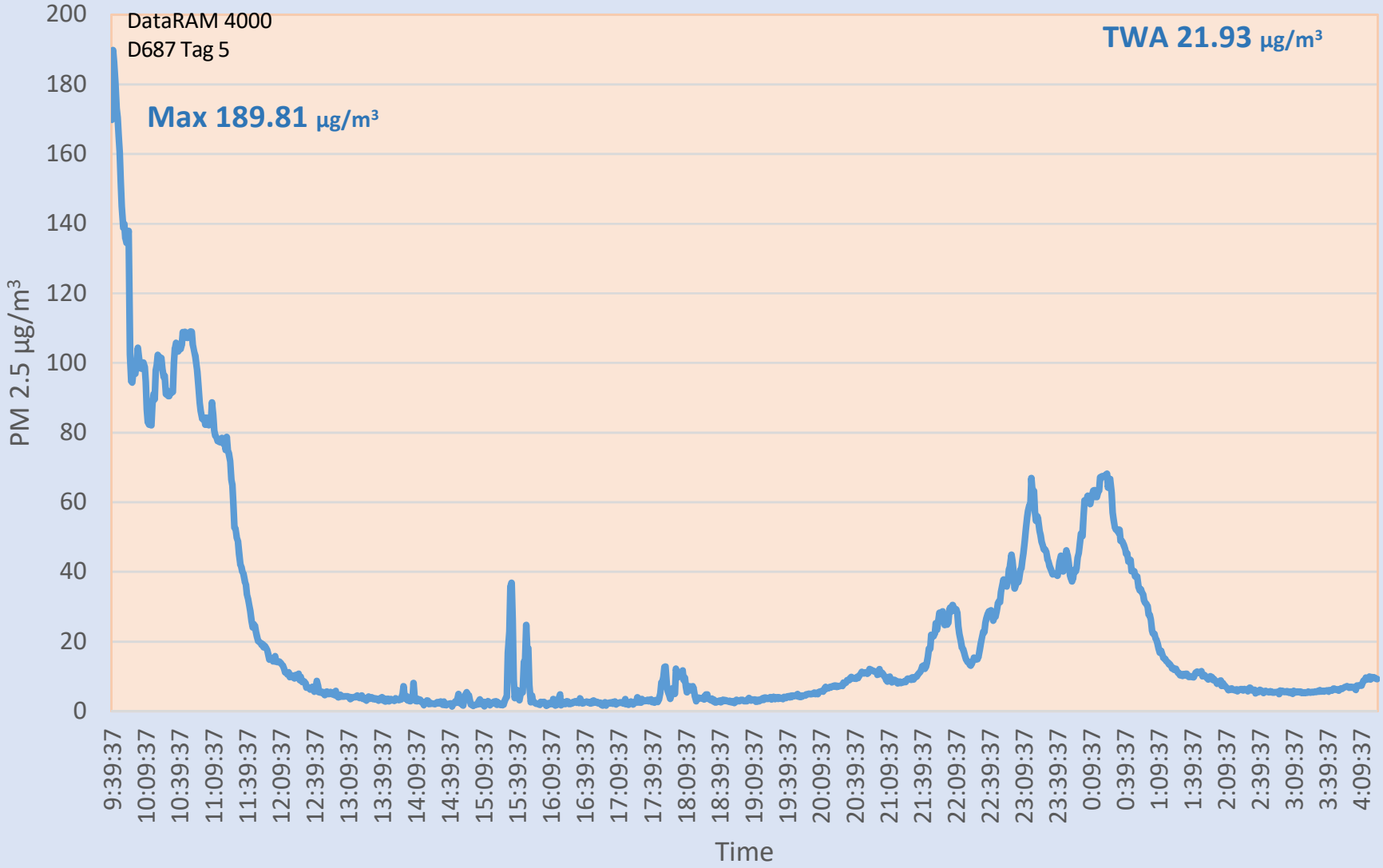
0.53 Miles 81.44° from Source



Mine Outfall Fence - PM2.5

October 26-27, 2017 09:39 - 04:23

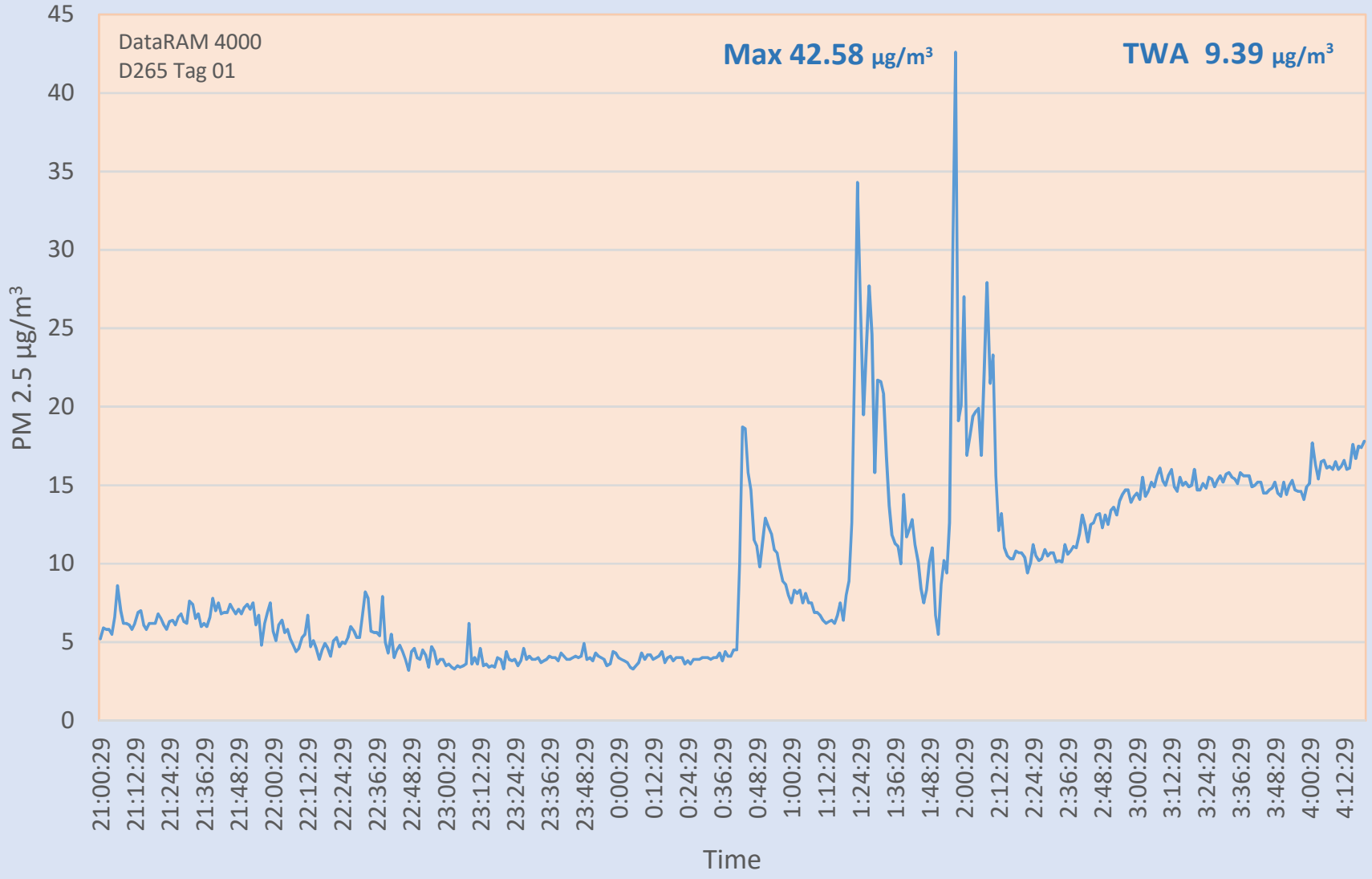
0.53 Miles Heading 81.02° from Source

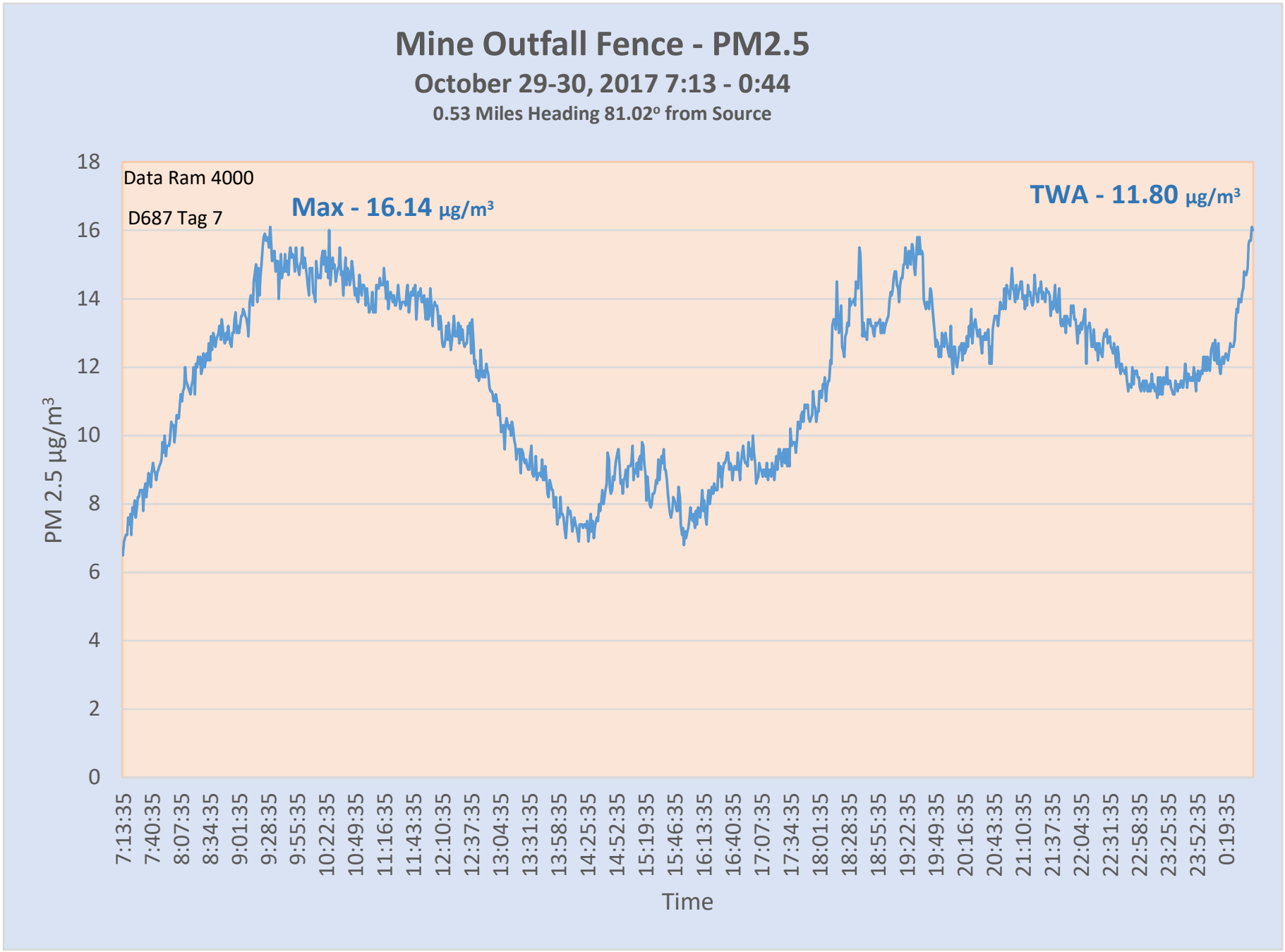


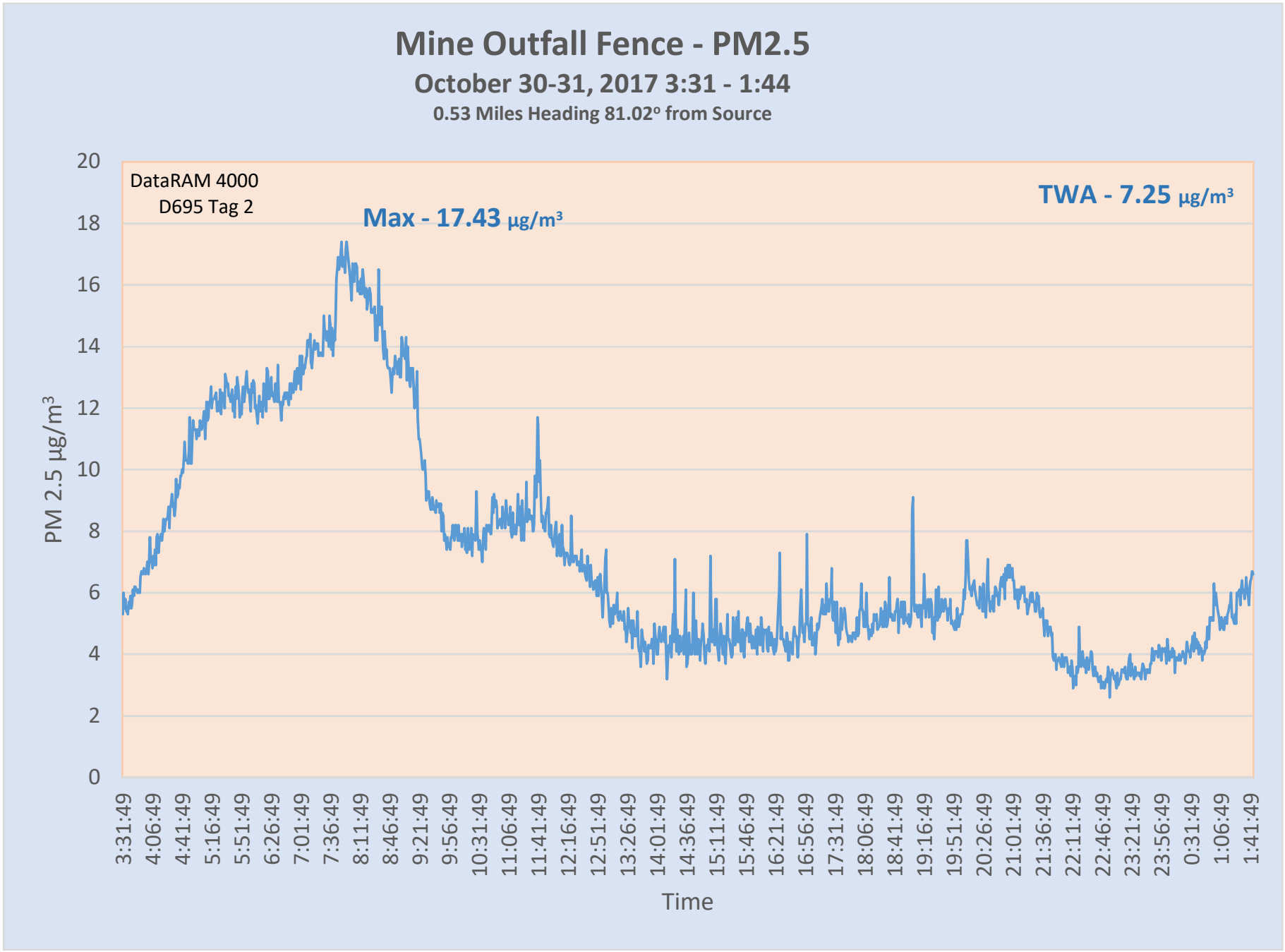
Mine Outfall Fence - PM2.5

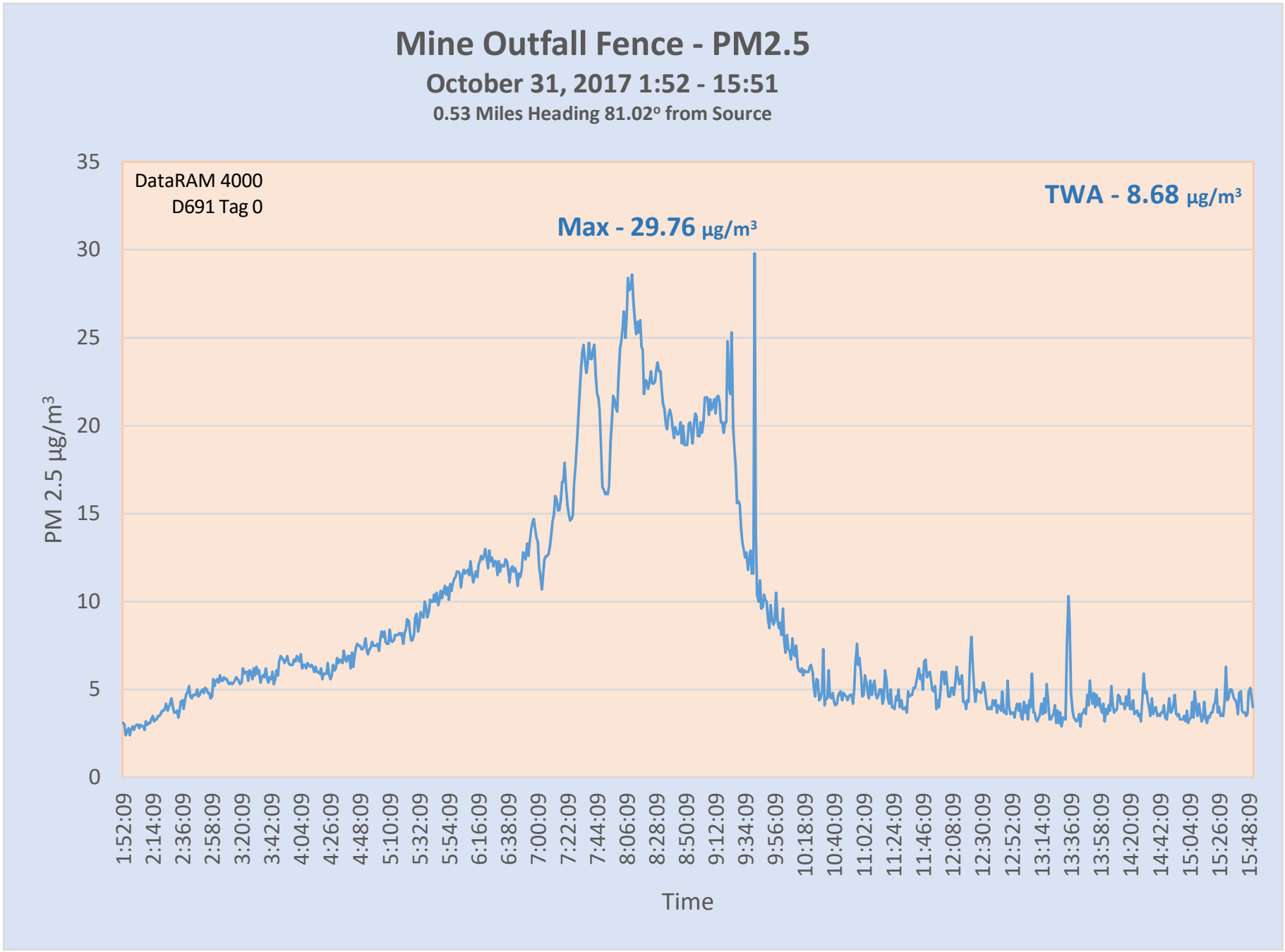
October 27-28, 2017 21:00 - 04:19

0.53 Miles Heading 81.02° from Source




Mine Outfall Fence - PM2.5
October 29-30, 2017 7:13 - 0:44
0.53 Miles Heading 81.02° from Source
Data Ram 4000
D687 Tag 7
Max - 16.14 µg/m³
TWA - 11.80 µg/m³
PM 2.5 µg/m³
0
2
4
6
8
10
12
14
16
18
7:13:35
7:40:35
8:07:35
8:34:35
9:01:35
9:28:35
9:55:35
10:22:35
10:49:35
11:16:35
11:43:35
12:10:35
12:37:35
13:04:35
13:31:35
13:58:35
14:25:35
14:52:35
15:19:35
15:46:35
16:13:35
16:40:35
17:07:35
17:34:35
18:01:35
18:28:35
18:55:35
19:22:35
19:49:35
20:16:35
20:43:35
21:10:35
21:37:35
22:04:35
22:31:35
22:58:35
23:25:35
23:52:35
0:19:35
Time


Mine Outfall Fence - PM2.5
October 30-31, 2017 3:31 - 1:44
0.53 Miles Heading 81.02° from Source
DataRAM 4000
D695 Tag 2
Max - 17.43 µg/m³
TWA - 7.25 µg/m³
PM 2.5 µg/m³
0
2
4
6
8
10
12
14
16
18
20
3:31:49
4:06:49
4:41:49
5:16:49
5:51:49
6:26:49
7:01:49
7:36:49
8:11:49
8:46:49
9:21:49
9:56:49
10:31:49
11:06:49
11:41:49
12:16:49
12:51:49
13:26:49
14:01:49
14:36:49
15:11:49
15:46:49
16:21:49
16:56:49
17:31:49
18:06:49
18:41:49
19:16:49
19:51:49
20:26:49
21:01:49
21:36:49
22:11:49
22:46:49
23:21:49
23:56:49
0:31:49
1:06:49
1:41:49
Time


Mine Outfall Fence - PM2.5
October 31, 2017 1:52 - 15:51
0.53 Miles Heading 81.02° from Source
DataRAM 4000
D691 Tag 0
Max - 29.76 µg/m³
TWA - 8.68 µg/m³
PM 2.5 µg/m³
35
30
25
20
15
10
5
0
1:52:09
2:14:09
2:36:09
2:58:09
3:20:09
3:42:09
4:04:09
4:26:09
4:48:09
5:10:09
5:32:09
5:54:09
6:16:09
6:38:09
7:00:09
7:22:09
7:44:09
8:06:09
8:28:09
8:50:09
9:12:09
9:34:09
9:56:09
10:18:09
10:40:09
11:02:09
11:24:09
11:46:09
12:08:09
12:30:09
12:52:09
13:14:09
13:36:09
13:58:09
14:20:09
14:42:09
15:04:09
15:26:09
15:48:09
Time

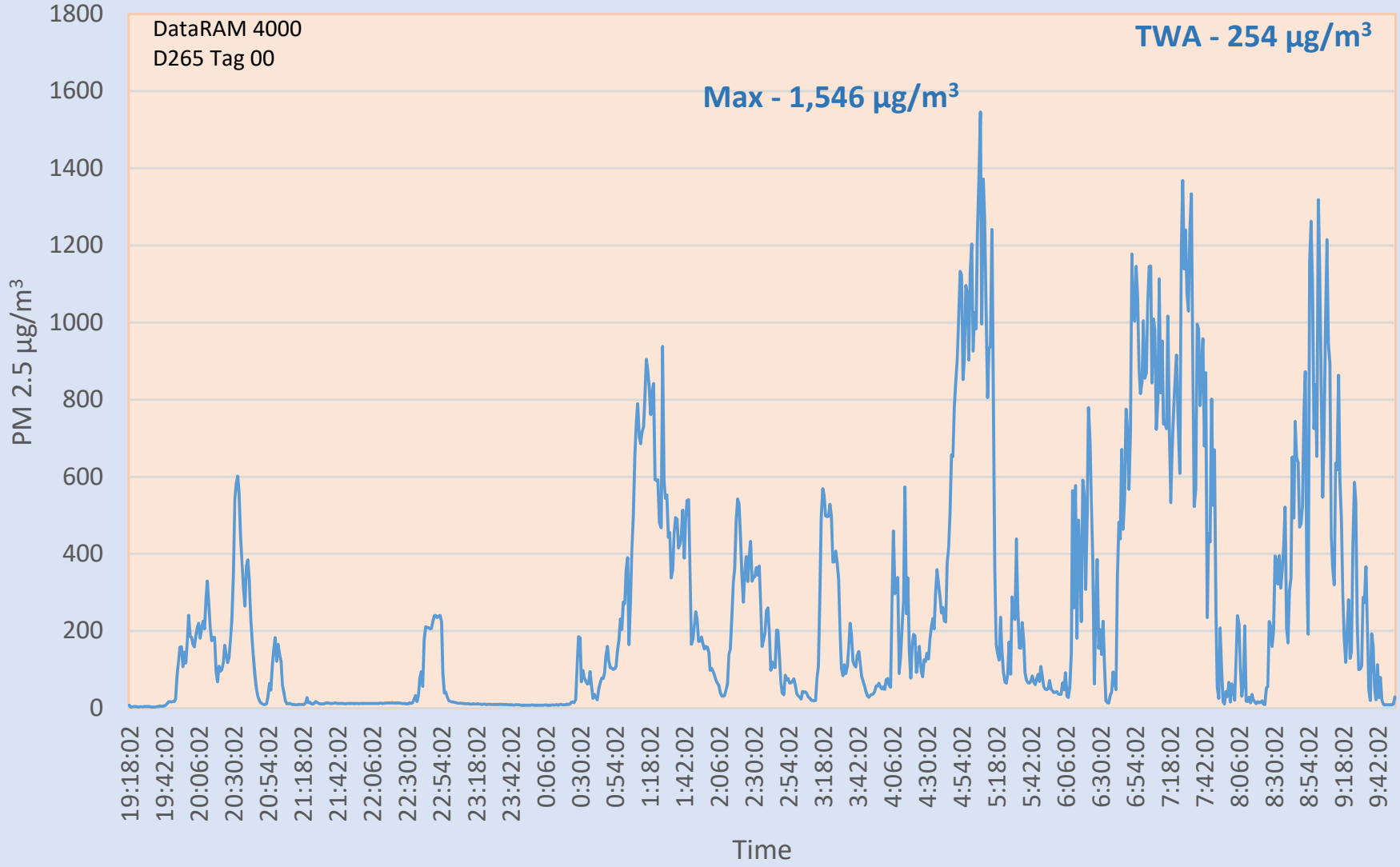
Park N’ Ride

These graphs are data compiled from monitors placed near the Park N’ Ride.

PARK N' RIDE - PM2.5

October 24-25, 2017 19:18 - 09:54

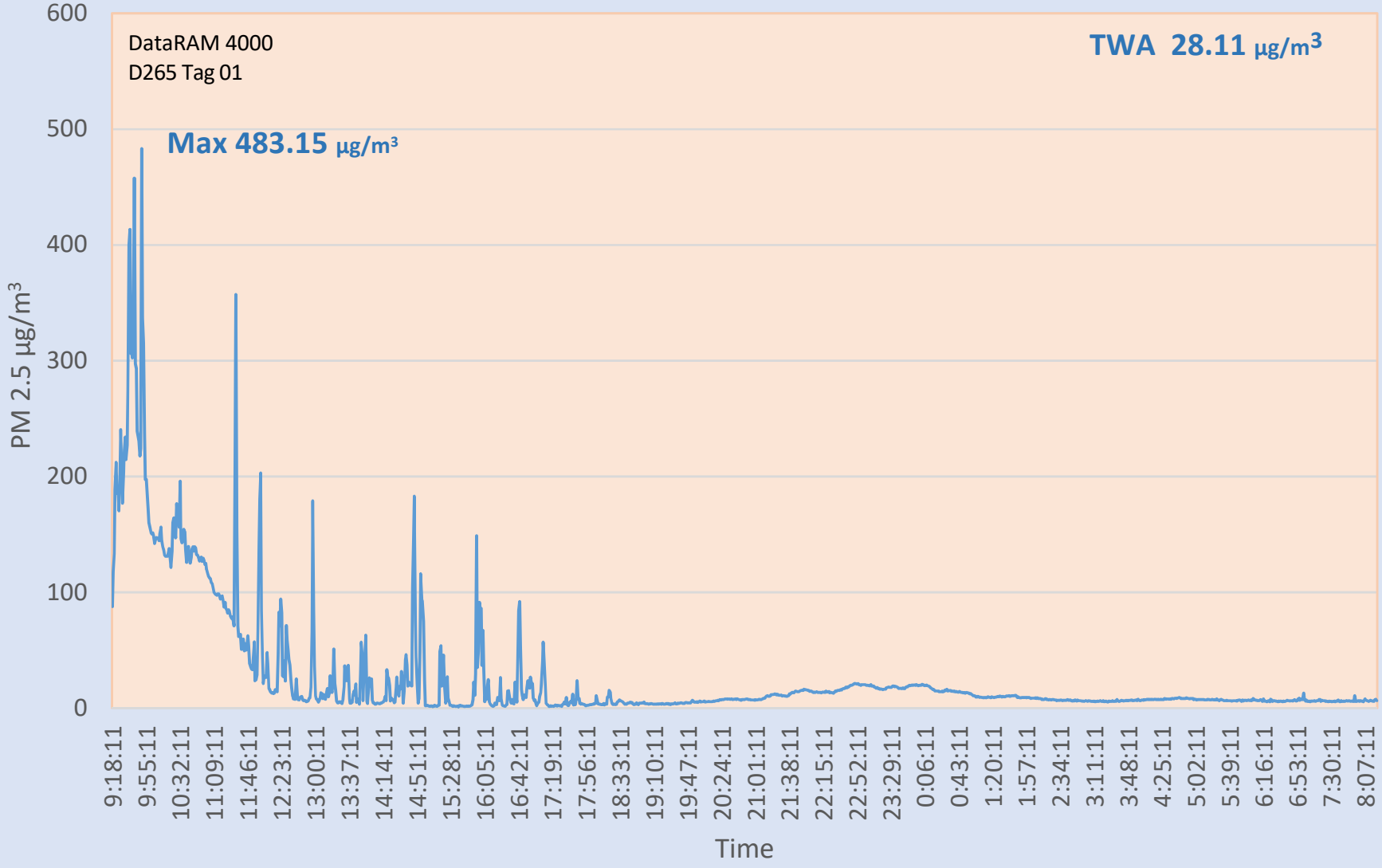
0.51 Miles 2.40° from Source



PARK N' RIDE - PM2.5

October 26-27, 2017 09:18 - 08:20

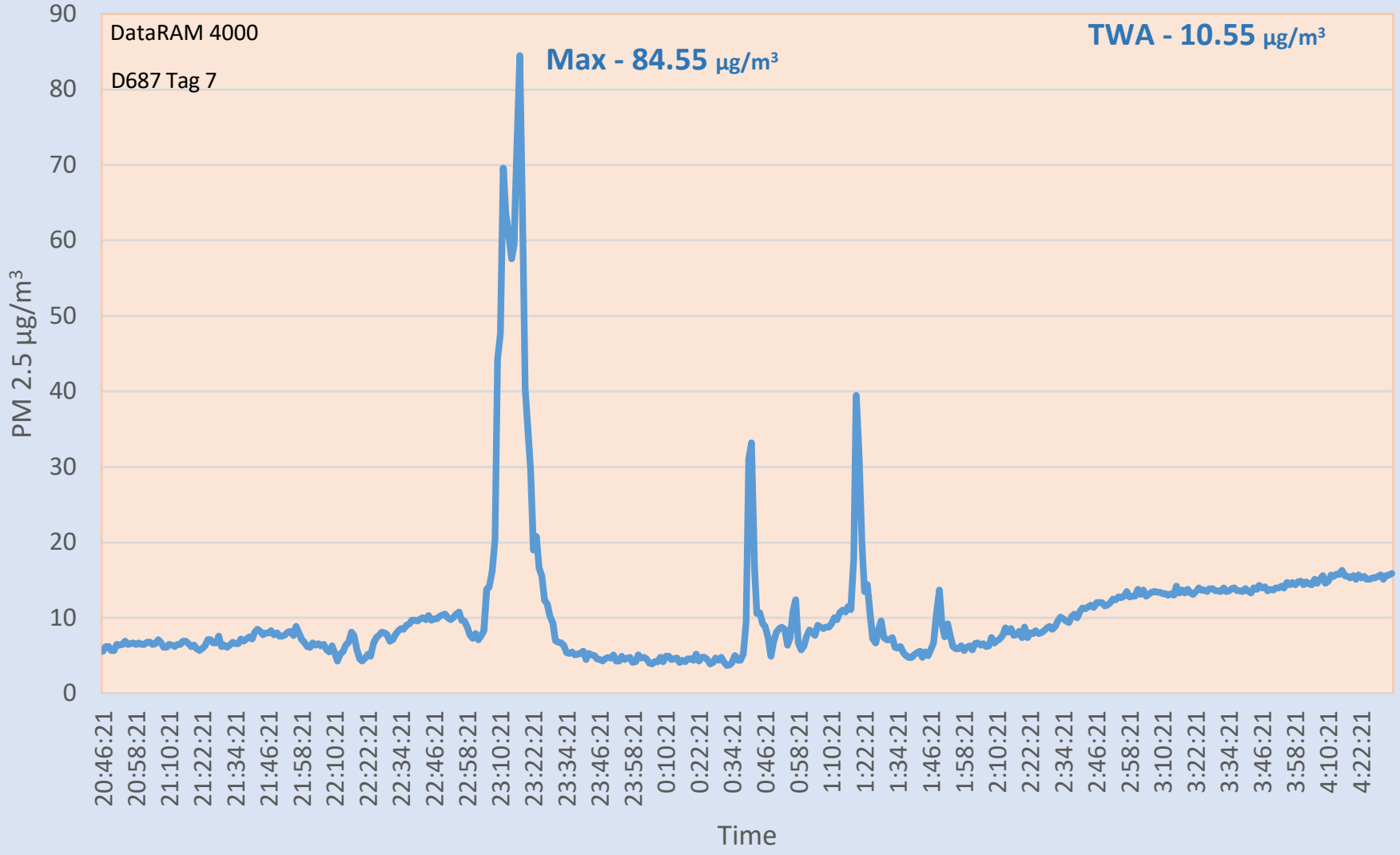
0.51 Miles Heading 2.40° from Source

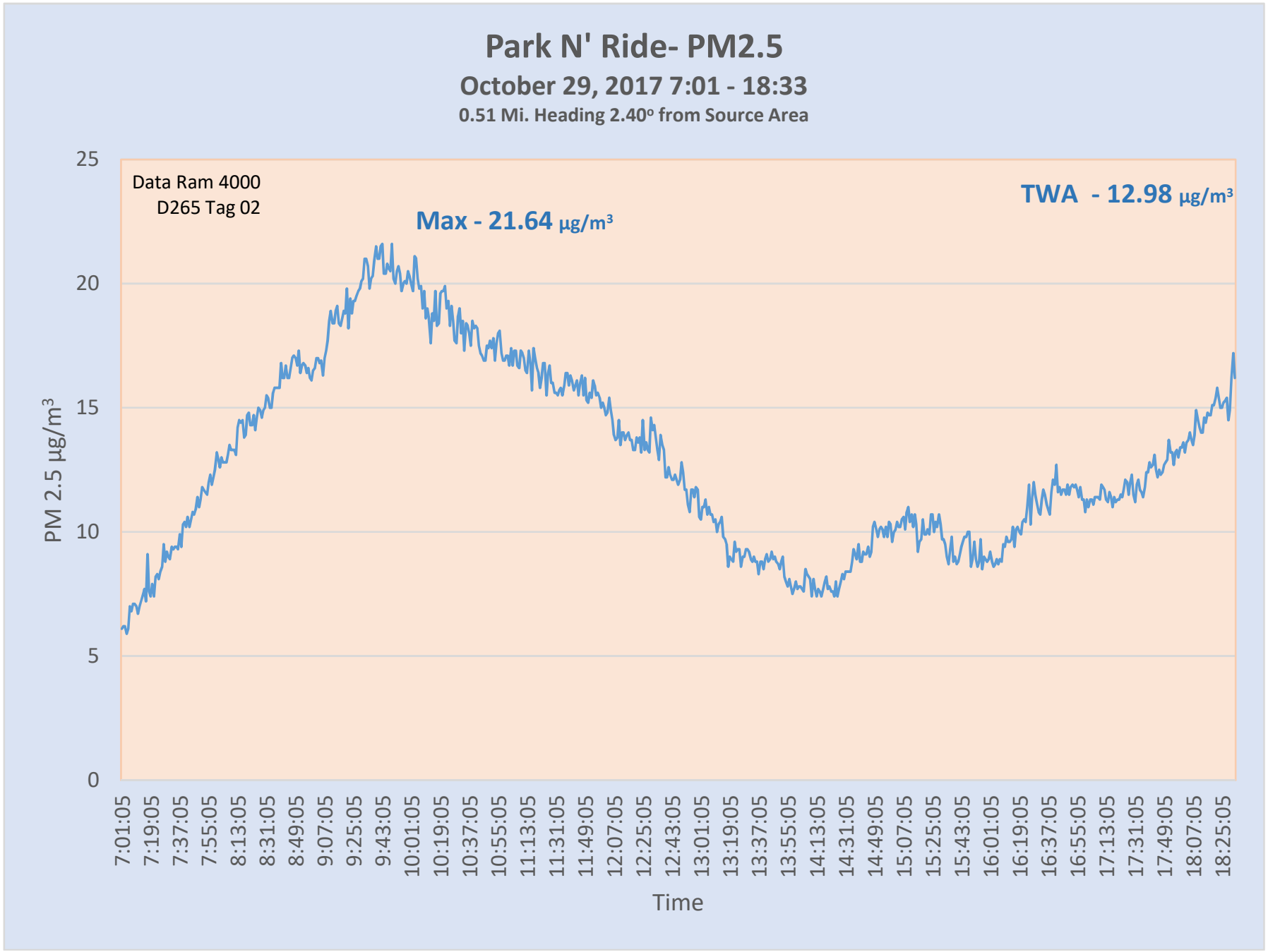


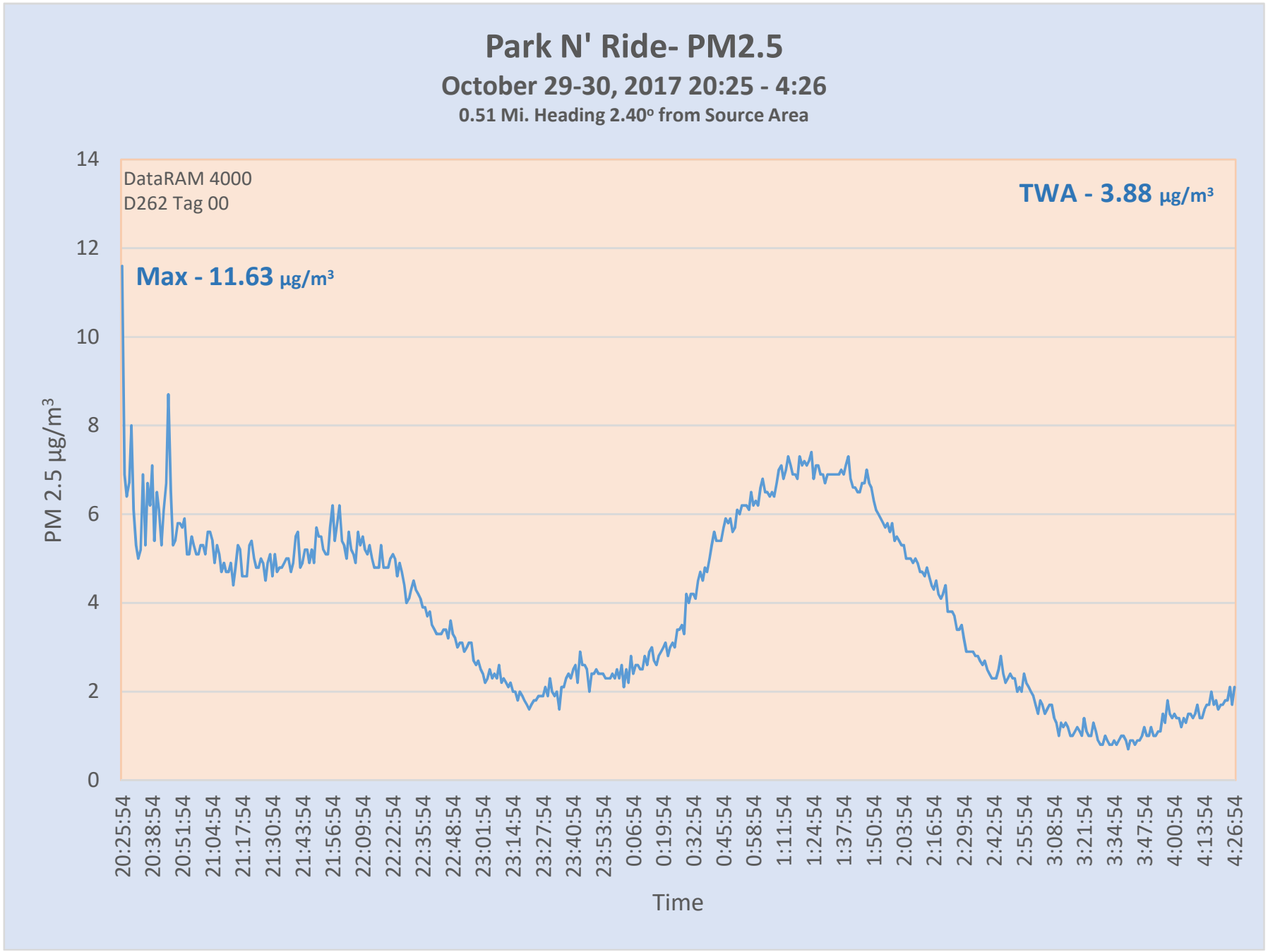
PARK N' RIDE - PM2.5

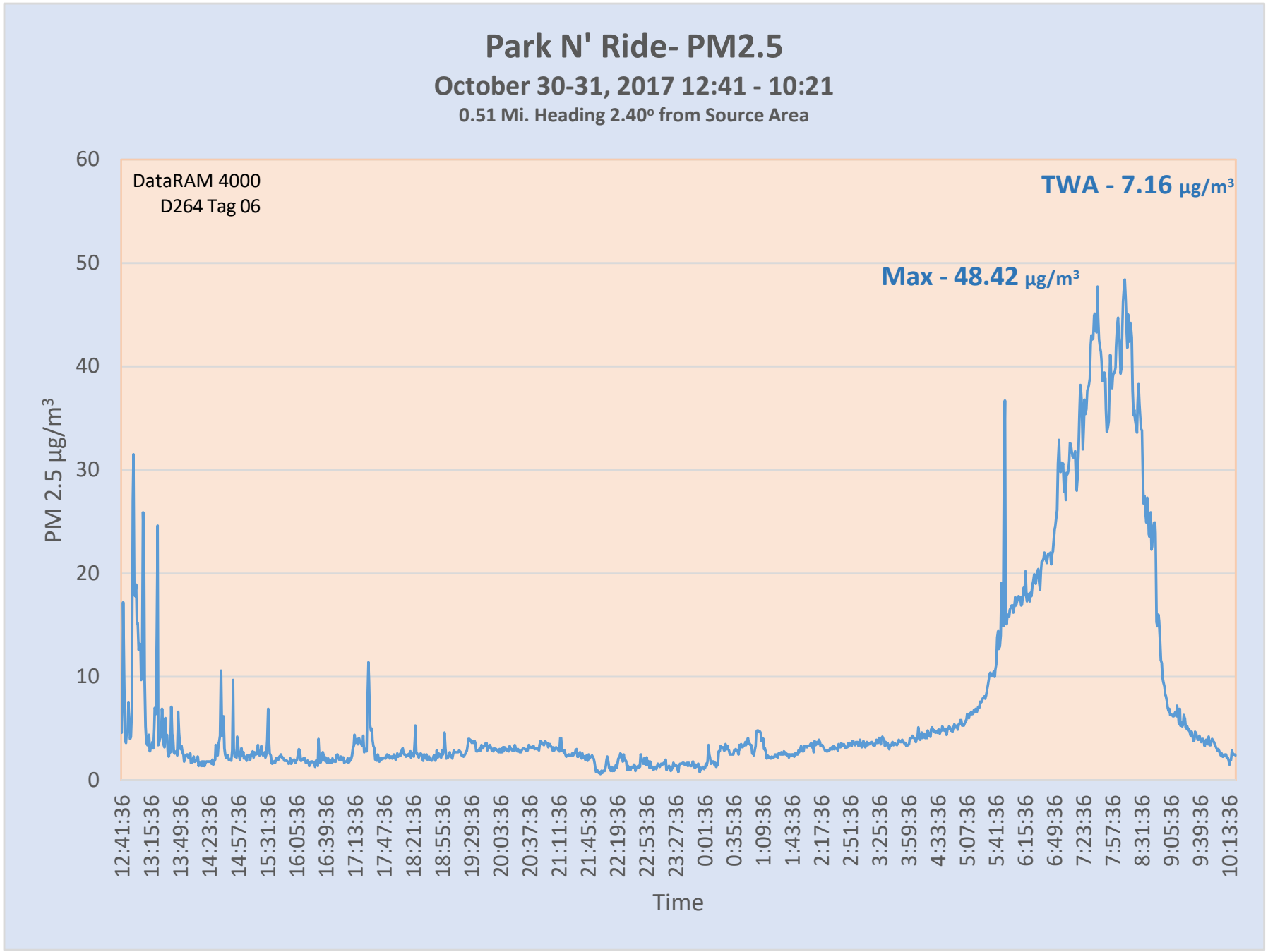
October 27-28, 2017 20:46 - 04:33

0.51 Miles Heading 2.40° from Source

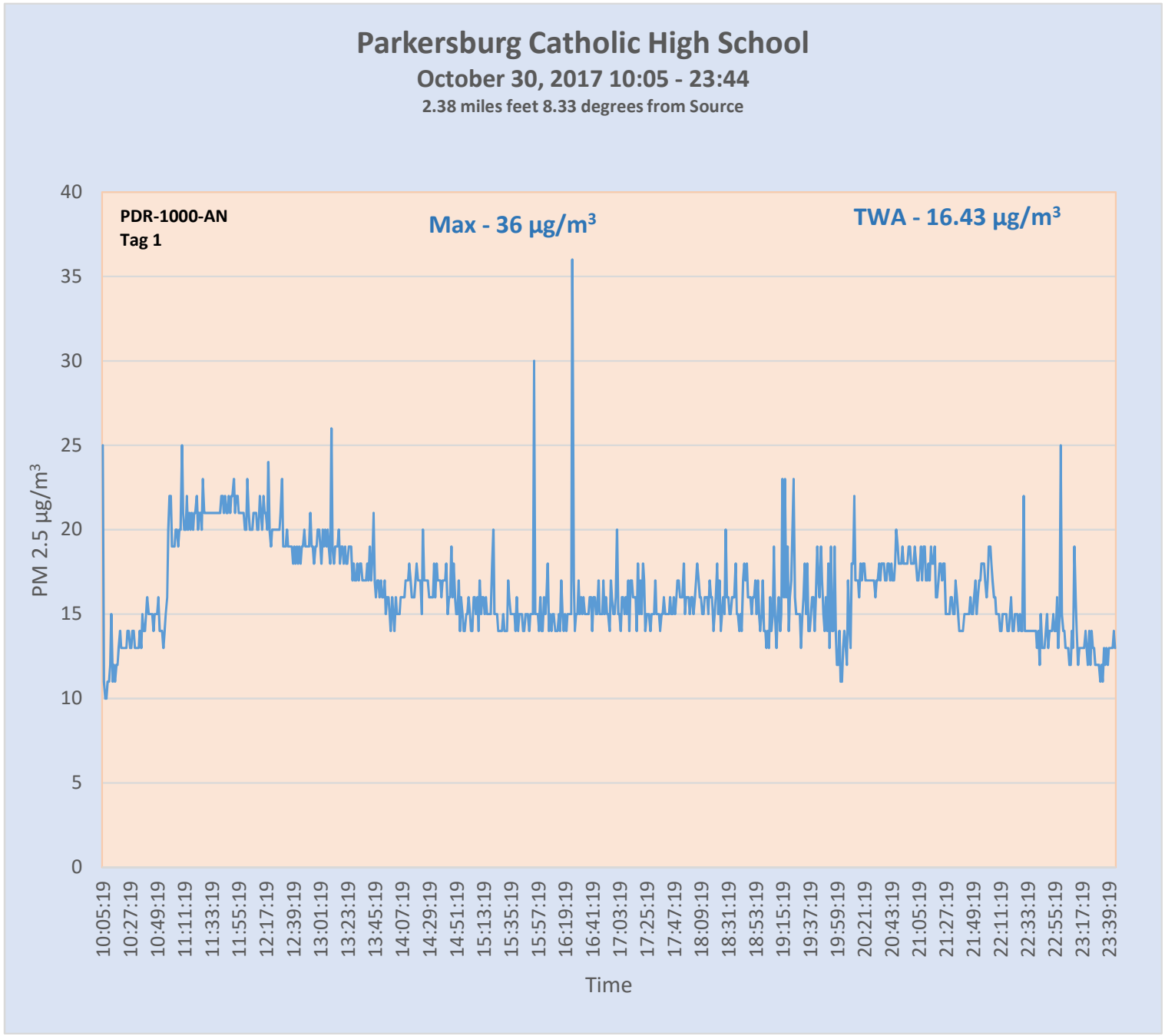



Park N' Ride- PM2.5
October 29, 2017 7:01 - 18:33
0.51 Mi. Heading 2.40° from Source Area
Data Ram 4000
D265 Tag 02
Max - 21.64 µg/m³
TWA - 12.98 µg/m³
PM 2.5 µg/m³
25
20
15
10
5
0
7:01:05
7:19:05
7:37:05
7:55:05
8:13:05
8:31:05
8:49:05
9:07:05
9:25:05
9:43:05
10:01:05
10:19:05
10:37:05
10:55:05
11:13:05
11:31:05
11:49:05
12:07:05
12:25:05
12:43:05
13:01:05
13:19:05
13:37:05
13:55:05
14:13:05
14:31:05
14:49:05
15:07:05
15:25:05
15:43:05
16:01:05
16:19:05
16:37:05
16:55:05
17:13:05
17:31:05
17:49:05
18:07:05
18:25:05
Time


Park N' Ride- PM2.5
October 29-30, 2017 20:25 - 4:26
0.51 Mi. Heading 2.40° from Source Area
DataRAM 4000
D262 Tag 00
TWA - 3.88 µg/m³
Max - 11.63 µg/m³
PM 2.5 µg/m³
14
12
10
8
6
4
2
0
20:25:54
20:38:54
20:51:54
21:04:54
21:17:54
21:30:54
21:43:54
21:56:54
22:09:54
22:22:54
22:35:54
22:48:54
23:01:54
23:14:54
23:27:54
23:40:54
23:53:54
0:06:54
0:19:54
0:32:54
0:45:54
0:58:54
1:11:54
1:24:54
1:37:54
1:50:54
2:03:54
2:16:54
2:29:54
2:42:54
2:55:54
3:08:54
3:21:54
3:34:54
3:47:54
4:00:54
4:13:54
4:26:54
Time


Park N' Ride- PM2.5
October 30-31, 2017 12:41 - 10:21
0.51 Mi. Heading 2.40° from Source Area
DataRAM 4000
D264 Tag 06
TWA - 7.16 µg/m³
Max - 48.42 µg/m³
PM 2.5 µg/m³
60
50
40
30
20
10
0
12:41:36
13:15:36
13:49:36
14:23:36
14:57:36
15:31:36
16:05:36
16:39:36
17:13:36
17:47:36
18:21:36
18:55:36
19:29:36
20:03:36
20:37:36
21:11:36
21:45:36
22:19:36
22:53:36
23:27:36
0:01:36
0:35:36
1:09:36
1:43:36
2:17:36
2:51:36
3:25:36
3:59:36
4:33:36
5:07:36
5:41:36
6:15:36
6:49:36
7:23:36
7:57:36
8:31:36
9:05:36
9:39:36
10:13:36
Time

Parkersburg Catholic School


Parkersburg Catholic High School
October 30, 2017 10:05 - 23:44
2.38 miles feet 8.33 degrees from Source
PDR-1000-AN
Tag 1
Max - 36 µg/m³
TWA - 16.43 µg/m³
PM 2.5 µg/m³
0
5
10
15
20
25
30
35
40
10:05:19
10:27:19
10:49:19
11:11:19
11:33:19
11:55:19
12:17:19
12:39:19
13:01:19
13:23:19
13:45:19
14:07:19
14:29:19
14:51:19
15:13:19
15:35:19
15:57:19
16:19:19
16:41:19
17:03:19
17:25:19
17:47:19
18:09:19
18:31:19
18:53:19
19:15:19
19:37:19
19:59:19
20:21:19
20:43:19
21:05:19
21:27:19
21:49:19
22:11:19
22:33:19
22:55:19
23:17:19
23:39:19
Time